



**REPORT ON TWO-DAY WORKSHOP ON
“AWARENESS ABOUT WATER CONSERVATION AND
WATERSHED MANAGEMENT” SPONSORED BY GUJCOST**



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

Organized By:

*Department of Civil Engineering
Chhotubhai Gopalbhai Patel Institute of Technology,
Uka Tarsadia University, Maliba Campus, Bardoli.*

(8-9th October, 2021, Friday-Saturday)

Target Audience: Diploma, B. Tech of Engineering and B. Sc. of Biotechnology

No of Participants: Total 141 (Boys-98), (Girls-43)

Faculty Coordinator/Organizer: Prof. (Dr.) Manoj J. Gundalia, Prof. Vaibhav Pawar
and Prof. Helly Mehta

Detail Report on Workshop

Water is fundamental to life, livelihood, and sustainable development. However, despite water being the basic human need, this precious resource is considered as free natural commodity and being wasted, polluted and getting depleted. The importance of water in a country's economic growth should not be undermined. Global Water Institute, 2013 report said that 700 million people worldwide could be displaced by intense water scarcity by 2030. The demand for water is expected to reach up to around 220 BCM by 2025. If we cannot manage un-judicious distribution and use of water wisely then situations will be aggravated year by year. It is expected for India to convert water stressed country by 2050. Therefore, conservation of water becomes high priority for the nation. Department of Civil Engineering (DCE) organized this workshop with an aim to disseminate awareness about water conservation and watershed management.

Details of Workshop

Workshop Title	Awareness about Water Conservation and Watershed Management
Number of days	Two Days
Number of Sessions	5
Organizing secretary	Prof. (Dr.) Manoj J. Gundalia
Coordinators	Prof. (Dr.) Vaibhav Pawar and Prof. Helly Mehta
Numbers of Institutes Participated	2 (CGPIT and CGBIB)
Numbers of Participants	Diploma (19), B. Tech (88), Biotech (16), Faculty (18)
Objectives of the Workshop	<ol style="list-style-type: none"> 1) To acquaint knowledge about available water quantity, water quality and water demand 2) To create awareness about water conservation 3) To motivate people towards sustainable use of water and effective watershed management
Outcomes of the Workshop	<ul style="list-style-type: none"> • Be acquainted with current water availability and water demand • Understand different water conservation techniques • Aware about sustainable watershed management practices
Speakers	Dr. Jayesh M. Patel, Er. Bharat M. Solia and Dr. Manoj J. Gundalia
General Feedbacks/ Suggestions	Participants gave positive feedback on the workshop and requested to conduct more workshops in the similar area

Program Schedule

Day-1 (Friday, 8th October, 2021)	
9.00-10.00 AM	Registration and Breakfast
10:00 - 10:10AM	Welcome Speech by Prof. (Dr.) Manoj J. Gundalia
10:15 AM to 11:30AM	Water Conservation Technologies for Sustainable Water Management Er. Bharat M. Solia Assistant Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU, Navsari
11.30 AM to 12.15 PM	Lunch Break
12.15 PM to 1.45 PM	Watershed management and it's implementation at village level Dr. Jayesh M. Patel, Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU, Navsari
1.45 PM – 2.00 PM	High Tea
2:00 PM to 3.30PM	Integrated Water Shed Management Program (IWSMP) in Surat Region Dr. Jayesh Patel Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU, Navsari
Day-2 (Saturday, 9th October, 2021)	
10:00AM to 11:30 PM	Integrated Water Shed Management Program-Case Study Dr. Manoj J. Gundalia Associate Prof. and Head, Department of Civil Engineering, C. G. Patel Institute of technology, UkaTarsadia University, Bardoli-Mahuva Road, Surat, Gujarat – 394350.
11.30 AM to 12.15 PM	Lunch Break
12.15 PM to 4:30 PM	Site Visit/Documentary- Prof. (Dr.) Manoj J. Gundalia Associate Prof. and Head, Department of Civil Engineering, C. G. Patel Institute of technology, UkaTarsadia University, Bardoli-Mahuva Road, Surat, Gujarat – 394350.
4:30- 4:45PM	Closing Speech

Department of Civil Engineering of Chhotubhai Goplabhai Patel Institute of Technology (CGPIT), Uka Tarsadia University (UTU) organized two-day Workshop on “Awareness about Water Conservation and Watershed Management. The workshop was sponsored by Gujarat Council on Science and Technology (GUJCOST) and conducted on 8 and 9th October, 2021. Total 141 participants from two different institutes have actively participated in the workshop.

Day-1

We started the first day with prayer, UTU anthem, lighting of the lamp and an inaugural ceremony. Coordinator and anchor Prof. Ms. Helly Mehta welcomed speakers from Navsari Agricultural University, Director of CGPIT, HoD of different departments, faculty members and participants. Dr. Rajkumar V. Patil, the director of CGPIT felicitated the speakers with bouquets. Similarly Shree Vijay K. Shah, the Director of Diwaliba Campus, Prof. Jignesh Gadhiya, Head of Diploma Studies and other invitees were also welcomed by the coordinators. Dr. Rajkumar V. Patil, the Director CGPIT explained the importance and purpose of this workshop in his inaugural address. He appreciated and congratulated to the HoD and the coordinators for organizing such workshop. Dr. Rajkumar V. Patil explained the importance and purpose of this workshop in his speech. Welcome speech and key note address were given by Dr. Manoj J. Gundalia, Associate Professor and Head of Department of Civil Engineering. This was followed by the technical sessions. He explained the aim and objectives of the workshop. He gave information about current status of water availability and demand in India and also brief about two day’s sessions. He enlightened the water budget of India and need of such workshop for bringing awareness.

The first session was conducted by **Er. Bharat M. Solia**, Assistant Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU on Water Conservation Technologies for Sustainable Water Management. He presented how water conservation now a day carried out by advance technologies. He explained sustainable watershed management in lucid language by giving real day to day life examples. He also spoke about the ‘value of water’ and its importance. The session was very interesting as he explained the advantages of rainwater harvesting. The session was ended with good discussion.

In the second, lecture on Watershed Management and it's Implementation at Village Level was delivered by **Dr. Jayesh M. Patel**, Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU. He explained the term watershed and its classification based on the size of watershed. He specifically emphasized on importance of research at watershed level and how effectively manages the watershed at village level. He explained about the importance of land cover and land use planning in watershed management.

The third session was on Integrated Water Shed Management Program (IWSMP) in Surat Region. This session was handled by Dr. Jayesh M. Patel, Research Scientist, Soil and Water Management Research Unit, (SWMRU), NAU. In this session he gave introduction to Integrated Water Shed Management Program and its role and responsibility. He presented the work carried

out by IWSMP in the Surat Region. The session was very interesting as the speaker explained the rubber gate operation to control flood at smaller scale dams from the basics which kept the students on track. It was a very interactive session and the audience was curious to know about the future of water tight rubber gate. The session was ended with questions answering.

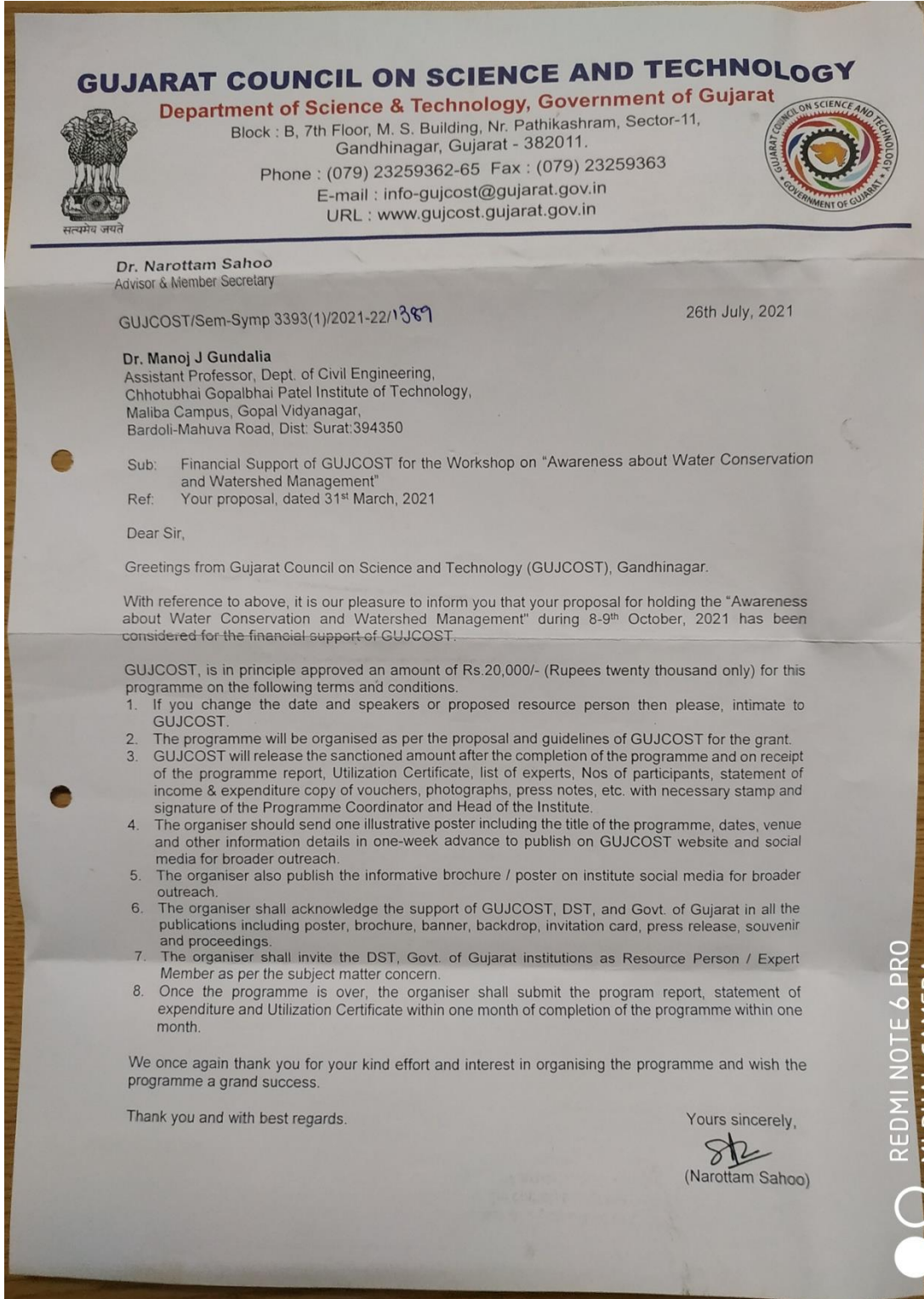
Day-2

The morning session (4th) of the two days' seminar was addressed by **Prof. (Dr.) Manoj J. Gundalia**, Associate Prof. and Head, Department of Civil Engineering, C. G. Patel Institute of technology, Uka Tarsadia University on Integrated Water Shed Management Program-Case Study. He began his session by focusing on the basic concepts of integrated watershed Management. The talk was simple and informative as he started the session by brushing up on the basics of Watershed Management to his latest researches in the field of Integrated Watershed Management. He gave deep insight on the water conservation techniques and integrated watershed management. He presented case studies on integrated watershed management of Gujarat state. He also enlightened the need of IWSMP and why government emphasized more on it. The session was ended with good numbers of question answering.

5th Session-As per the program schedule, a site visit was planned at a location near Mahuva about 11 Km away, but due to heavy rain it was postponed. It was decided to show documentary on water conservation technique and integrated watershed management. Prof. (Dr.) Manoj J. Gundalia was handled this session and showed three documentaries on water conservation, integrated watershed management and water harvesting work carried out in Gujarat as well as in Andhra Pradesh and Karnataka states. It was a productive session ended with good discussion.

The two days session ended with valedictory function. Vote of thanks was proposed by Prof. Vaibhav Pawar, Department of Civil Engineering, C. G. Patel Institute of technology, UkaTarsadia University. The Participation certificates were distributed by Dr. Manoj J. Gundalia. The feedbacks from all the participants were collected by co-coordinators Prof. Krutarth Patel and Prof. Maulik Kakadiya. The Workshop ended successfully and everyone felt contented with every aspect of the Workshop. A huge vote of thanks and gratitude were extended to the UTU management for their motivation and honorable guest Speakers for their time and incredibly good talk on the various topics.

Photo Gallery



GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science & Technology, Government of Gujarat



सत्यमेव जयते

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Dr. Narottam Sahoo
Advisor & Member Secretary

GUJCOST/Sem-Symp 3393(1)/2021-22/1389

26th July, 2021

Dr. Manoj J Gundalia

Assistant Professor, Dept. of Civil Engineering,
Chhotubhai Gopalbhai Patel Institute of Technology,
Maliba Campus, Gopal Vidyanagar,
Bardoli-Mahuva Road, Dist: Surat:394350

Sub: Financial Support of GUJCOST for the Workshop on "Awareness about Water Conservation and Watershed Management"
Ref: Your proposal, dated 31st March, 2021

Dear Sir,

Greetings from Gujarat Council on Science and Technology (GUJCOST), Gandhinagar.

With reference to above, it is our pleasure to inform you that your proposal for holding the "Awareness about Water Conservation and Watershed Management" during 8-9th October, 2021 has been considered for the financial support of GUJCOST.


GUJCOST, is in principle approved an amount of Rs.20,000/- (Rupees twenty thousand only) for this programme on the following terms and conditions.

1. If you change the date and speakers or proposed resource person then please, intimate to GUJCOST.
2. The programme will be organised as per the proposal and guidelines of GUJCOST for the grant.
3. GUJCOST will release the sanctioned amount after the completion of the programme and on receipt of the programme report, Utilization Certificate, list of experts, Nos of participants, statement of income & expenditure copy of vouchers, photographs, press notes, etc. with necessary stamp and signature of the Programme Coordinator and Head of the Institute.
4. The organiser should send one illustrative poster including the title of the programme, dates, venue and other information details in one-week advance to publish on GUJCOST website and social media for broader outreach.
5. The organiser also publish the informative brochure / poster on institute social media for broader outreach.
6. The organiser shall acknowledge the support of GUJCOST, DST, and Govt. of Gujarat in all the publications including poster, brochure, banner, backdrop, invitation card, press release, souvenir and proceedings.
7. The organiser shall invite the DST, Govt. of Gujarat institutions as Resource Person / Expert Member as per the subject matter concern.
8. Once the programme is over, the organiser shall submit the program report, statement of expenditure and Utilization Certificate within one month of completion of the programme within one month.

We once again thank you for your kind effort and interest in organising the programme and wish the programme a grand success.

Thank you and with best regards.

Yours sincerely,


(Narottam Sahoo)

GUJCOST Approval Letter



Lamp Lightening by Invited Guests





Felicitation of Invited Guests and Speakers by Presenting Bouquets

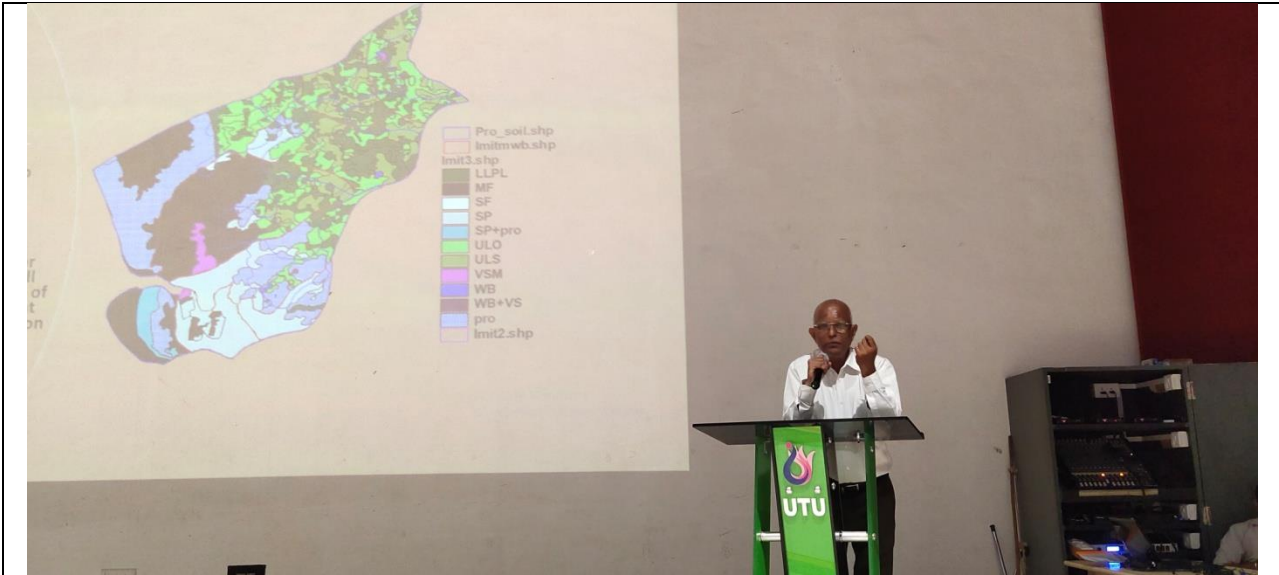


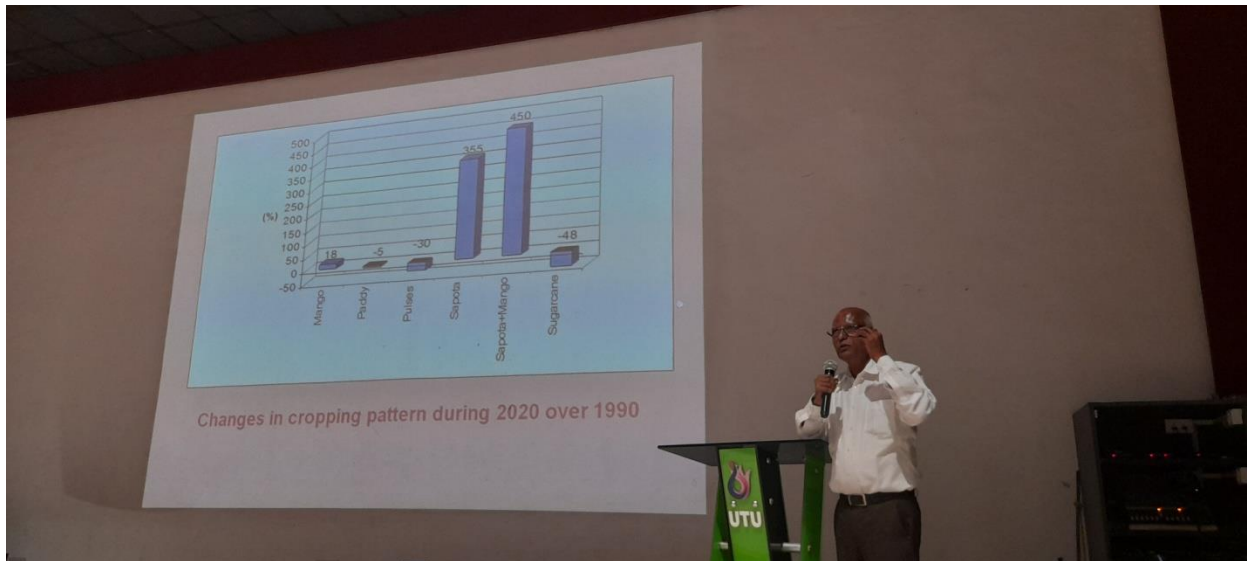
Inaugural address by Dr. Rajkumar Patil, Director of CGPIT





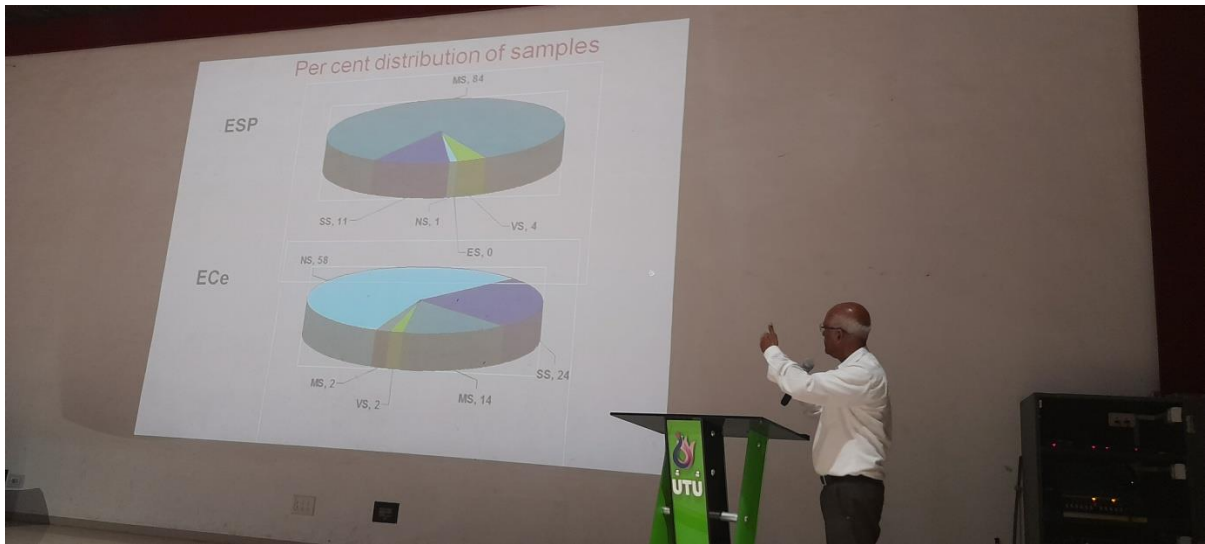
Er. Bharat Solia Explaining Water Conservation Technique during 1st session





Dr. Jayesh M. Patel Explaining Land Cover and Land Use in the Watershed during 2nd Session





Dr. Jayesh M. Patel Presenting Work of Integrated Watershed Management in Surat Region during 3rd Session



Dr. Manoj J. Gundalia Presenting Case Studies on Integrated Watershed Management of Gujarat State during 4th Session





Dr. Manoj J. Gundalia Showing Documentaries on Watershed Management of Gujarat State during 5th Session





Banner of Workshop



HoD Dr. Manoj Gundalia Presenting Memento to the Speakers as a Token of Love



Participants getting certificates from HOD Dr. Manoj J. Gundalia





Participants getting certificates from HoD Dr.Manoj J. Gundalia