



**KALYANI CHARITABLE TRUST'S**  
**LATE G. N. SAPKAL COLLEGE OF ENGINEERING**



Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Road, Dist: Nashik – 422 212 (India)

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(Affiliated to University of Pune Approved by AICTE, New Delhi, and Govt. Of Maharashtra)

Date: 24/02/2022

**Notice**

**National Service Scheme**

All the NSS Volunteers and other students are hereby informed that we are going to arrange Watershed Management activity at the Pegalwadi village, in Taluka Timbakeshwar.

This activity will be in the form of constructing Continuous contour trenches (CCT), which is helpful for water percolation in the ground and helps increase the water level.

All interested NSS and other student volunteers hereby informed to attend the activity on 26<sup>th</sup> Feb. 2022.

For any query or details contact your respective NSS department coordinators.

**Date: 26/02/2022**

**Time: 09:00 AM onwards**

**Venue: Pegalwadi Village, Trimbakeshwar**

**Prof. Kale K. W.**

**NSS Program Officer**



**Dr. S. B. Bagal**

**Principal**

**Prof.(Dr.) Sahebrao B. Bagal**  
**Principal**  
Late G. N. Sapkal College of Engineering  
Anjaneri, Nashik-422 213.



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## PROGRAM REPORT

**Title of the Program:** Watershed Management Activity

**Date(s):** From 26/02/2022 to 26/02/2022      **Duration of the Camp –** 1 Day

**Venue:** *Pegalwadi* Village, Taluka Trimbakeshwar, Dist. Nashik.

**Details of Participants:** 50

**Name of the Contact Person:** Mrs. S. B. Bairagi, Gramsevak, *Pegalwadi* Village, Tal. Trimbakeshwar, Dist. Nashik.

### **Introduction:**

The National Service Scheme (NSS) Department of Late G. N. Sapkal College of Engineering organized a 7-day Residential Camp in *Pegalwadi* Village, Taluka Trimbakeshwar, from February 24, 2022, to March 2, 2022. The one of the primary objective of this camp was to engage NSS student volunteers in watershed management activities, particularly the construction of Continuous Contour Trenches (CCT) to address water conservation and storage issues in the region.

### **Activity Details:**

Fifty dedicated NSS student volunteers actively participated in the camp, where they undertook the construction of Continuous Contour Trenches (CCT) over an area of 800 square meters. The main focus of this activity was to harness the benefits of CCT for watershed management and address water scarcity issues faced by the *Pegalwadi* Village.

Continuous Contour Trenches (CCT) are an essential watershed management technique known for their effectiveness in conserving rainwater and preventing soil erosion. The significance of CCT in this activity and the broader context of water management cannot be understated:

1. **Rainwater Harvesting:** CCTs act as barriers to slow down and trap rainwater, allowing it to percolate into the ground rather than running off the surface. This contributes to groundwater recharge, which is critical for maintaining the water table.
2. **Preventing Soil Erosion:** By slowing down the flow of rainwater, CCTs help in preventing soil erosion, which is a common problem in hilly regions like *Pegalwadi*. This protects the topsoil and ensures the long-term sustainability of agriculture in the area.
3. **Improving Soil Fertility:** The trapped sediments behind the trenches enrich the soil with organic matter, enhancing its fertility and overall productivity.
4. **Local Water Supply:** CCTs help in creating local water storage systems, which can be used for irrigation, domestic use, and livestock watering. This reduces the dependency on distant water sources.



5. **Conserving Biodiversity:** The improved soil and water retention offered by CCTs can support local vegetation and wildlife, contributing to the overall ecological health of the area.

### **Construction of CCT at *Pegalwadi* Village:**

**Site Selection:** A careful assessment of the terrain was conducted to identify suitable locations for CCTs. For the site selection local govt. authorities also directed the volunteers. The nearby mountainous area was chosen to maximize rainwater storage.

**Digging Trenches:** NSS volunteers, under the guidance of experts, manually dug continuous contour trenches along the contours of the land. These trenches were designed to capture and hold rainwater effectively.

**Bund Formation:** The excavated soil was used to create bunds alongside the trenches, which further enhanced water storage capacity.

### **Conclusion:**

The NSS 7 Days Residential Camp at *Pegalwadi* Village was a resounding success in terms of community engagement and watershed management. The construction of Continuous Contour Trenches (CCTs) demonstrated the importance of sustainable water management practices. The efforts of the 50 NSS student volunteers will have a lasting positive impact on the water resources and agricultural sustainability of *Pegalwadi* Village. We extend our gratitude to all the volunteers, my colleagues, and the local community for their wholehearted support and participation in this noble endeavour.

### ***Photographs of the event***



**Girl voluntters also took part in CCT Digging**






**Volunteers**



**Volunteers at CCT Construction**

  
**Prof. K. W. Kale**  
NSS PO



  
**Dr. S. B. Bagal**  
Principal  
**Prof.(Dr.) Sahebrao B. Bagal**  
Principal  
Late G. N. Sapkal College of Engineering  
Anjaneri, Nashik-422 213

Kalyani Charitable Trust's  
Late G. N. Sapkal College of Engineering  
Attendance Sheet


Name of Activity - CET construction

Date - 26/04/2022

Sr. No.	Name of the student	Year	Branch
1	PATIL LOKESH PURUSHOTTAM	BE	B.E. (Mechanical)
2	JOSHI MAYUR RAJENDRA	BE	B.E. (Computer)
3	INGALE HARSHAL RAVINDRA	BE	B.E. (Civil)
4	JAGTAP CHAITANYA BHAUSAHEB	BE	B.E. (Civil)
5	GHARTE KHUSHBU KIRAN	BE	B.E. (Civil)
6	PAWAR ARCHANA BABURAO	BE	B.E. (Civil)
7	SRIVASTAVA RINKI OMPRAKASH	BE	B.E. (E&tc)
8	KEDARE HARSHDEEP C.	SE	B.E. (Computer)
9	KOLHE RAHUL SANJAY	SE	B.E. (E&tc)
10	ADHE MITHUN PRALHAD	SE	B.E. (Computer)
11	THETE SANKET RAMDAS	BE	B.E. (Mechanical)
12	BHOI KIRAN SANJAY	SE	B.E. (Computer)
13	JAGTAP PRATIKSHA ASHOK	BE	B.E. (Computer)
14	GHODKE MANSVI KISHOR	BE	B.E. (Computer)
15	DESALE CHETANA SURESH	SE	B.E. (Computer)
16	BHADANE DAMINI POPAT	SE	B.E. (Computer)
17	RAUT SHRAVANI SANDEEP	SE	B.E. (Computer)
18	PACHORKAR ANKITA ASHOK	SE	B.E. (Computer)
19	MAHALE KAJAL SHANKAR	SE	B.E. (Computer)
20	GOSAVI RAHUL ANIL	SE	B.E. (E&tc)
21	TAYADE DARSHNA RAJIV	SE	B.E. (Computer)
22	CHETAN RAJENDRA NIKAM	BE	B.E. (Civil)
23	VINAYAK SUNIL DUSANE	BE	B.E. (Civil)
24	RUSHIKESH NANDU GADEKAR	BE	B.E. (Mechanical)
25	ANKITA SHANKAR GARE	BE	B.E. (E&tc)
26	KALE ARPITA SUNIL	SE	B.E. (Mechanical)
27	MORE VEER NILESH	SE	B.E. (Mechanical)
28	AMRUTKAR ANUJ JAGDISH	BE	B.E. (Mechanical)
29	VISHWAKARMA AACHAL RAJKUMAR	BE	B.E. (Computer)
30	RANE KANCHAN NITIN	BE	B.E. (Computer)
31	YEOLE TEJAS PRAMOD	BE	B.E. (Computer)
32	PATIL VISHAL JAYAWANT	BE	B.E. (Computer)
33	SONAR ADITI MAHESH	SE	B.E. (Computer)
34	MAHALE MAYURI PANDHARINATH	SE	B.E. (Computer)
35	DATE HARSHADA DASHRATH	SE	B.E. (Computer)
36	DARUNTE BHAGYASHRI DIPAK	SE	B.E. (Computer)
37	PAWAR SUPRIYA PRAKASH	SE	B.E. (Computer)
38	SHUBHAM RAJENDRA SHINDE	SE	B.E. (Computer)
39	VALKANDE LALIT NARAYAN	SE	B.E. (Computer)
40	TIDKE VEDANTI ANILRAO	SE	B.E. (Computer)
41	PATIL BHAGYASHRI KAILAS	SE	B.E. (Computer)
42	PREM PRUTHVIRAJ CHAUDHARI	BE	B.E. (Civil)
43	PARTH SANJAY CHAUDHARI	BE	B.E. (Civil)
44	TUSHAR DATTATRAY VISPUTE	BE	B.E. (Electrical)
45	DARSHAN KISHOR PATIL	BE	B.E. (Electrical)
46	RAHUL SANTOSH SHARMA	BE	B.E. (Computer)
47	PRATIKSHA GANGADHAR WAGHMARE	BE	B.E. (Electrical)
48	PRASAD DILIP PAWAR	BE	B.E. (Mechanical)
49	DOLLY PRABHAKAR BHALERAO	BE	B.E. (Electrical)
50	MAHALE NIKITA SHANTARAM	SE	B.E. (Computer)

  
Prof. K. W. Kale  
NSS-PO



  
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