

**Details of the Activity Organized under National Service Scheme**

Title of the Session- “Arogya Setu Application Download ”

Date- 16<sup>th</sup> April 2020



Image of Arogya Setu App and NSS Volunteers working on it

**Information-** Arogya Setu application is an Initiative of Government of India particularly the department of Health. All the NSS volunteers are informed to download the Arogya Setu application on their mobile. This activity was initiated in the month of April. Arogya setu uses contact tracing to record details of all the people you may have come in contact with, as you go about your normal activities. For registration of Arogya setu, the Individual needs an Indian Mobile number operated in India. Awareness about downloading of this app has been spread by the NSS volunteers in their nearby areas stating the advantages of using this application.

**Outcomes of the Activity-**

- 1) The Event was done successfully
- 2) Awareness among NSS volunteers generated about the COVID-19

**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY, LAVEL  
Department of Civil Engineering**

**Details of the Activity Organized under National Service Scheme**

Title of the Activity- "Celebration of Dr.Babasaheb Ambedkar Jayanti and Online Quiz Creation based on Dr.Babasaheb Ambedkar "

Objective of activity- To generate online quiz on the Occasion of Dr.Babasaheb Ambedkar Jayanti

Date of Activity-14<sup>th</sup> April 2021.

Organized by-NSS Unit, Gharda Institute of Technology



**Information-** On 14<sup>th</sup> April 2021, on the occasion of birth anniversary of Dr.Babasaheb Ambedkar an online quiz competition has been arranged and generated by the NSS volunteers of Gharda Institute of Technology.The google form link has been generated and shared to various colleges whats app groups and those who score more than 70% marks has been allotted the e-certificate immediately after the submission of quiz

**Outcomes of the Activity-**

- 1) The Event was done successfully
- 2) Students of various colleges participated and attempted the online quiz.

**GHARDA FOUNDATION'S**  
**GHARDA INSTITUTE OF TECHNOLOGY, LAVEL**  
**Department of Civil Engineering**

**Details of the Activity Organized under National Service Scheme**

Title of the Activity- “Arrangement of “COVID VACCINATION DRIVE ”

Objective of activity- To arrange an Covid- Vaccination Drive in the premises of  
Gharda Institute of Technology

Date of Activity-28<sup>th</sup> October 2021

Venue- Ground Floor, B Wing, Gharda Institute of Technology, At Post Lavel, Tal-  
Khed, Dist- Ratnagiri

Organized by-NSS Unit, Gharda Institute of Technology



The poster is a colorful invitation for a COVID vaccination drive. It features the logos of Gharda Foundation and GIT (Gharda Institute of Technology) at the top. The text is centered and includes the following details:

- Gharda Foundation's**  
**GHARDA INSTITUTE OF TECHNOLOGY**
- In Association With**  
**Aarogya Vibhag Ratnagiri District**  
*With Best Compliments From*
- 
- Directorate of Technical Education, Maharashtra State, Mumbai**
- COVID VACCINATION DRIVE**
- FOR STUDENTS, FACULTY AND STAFF**
- On 28<sup>th</sup> October 2021**
- :: Venue ::**  
**Ground floor, B wing, Gharda Institute of Technology**  
**At Post Lavel, Tal. Khed, Dist. Ratnagiri, Pin.415708**
- **Protect yourself.  
Protect others.  
Get vaccinated.**

Invitation Template





Image of the COVID VACCINATION DRIVE Activity

**Information-** An Covid Vaccination Drive has been arranged in the Gharda Institute of Technology in association with Arogya Vibhag Ratnagiri District Ratnagiri with best compliments from Directorate of Technical Education, Maharashtra State Mumbai. This Drive has been arranged specially for students and staff of the Institute. Total 10 students, 10 staffs and 30 villagers have taken the benefit of this activity.

**Outcomes of the Activity-**

- 1) The Event was done successfully

# Corona (COVID-19) Awareness Quiz

Corona (COVID-19) Awareness cum General Knowledge Quiz Organized by National Service Scheme Unit of Gharda Institute of Technology, Tal- Khed, Dist- Ratnagiri

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\* Required

1. Email \*

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2. Full Name of the Participant \*

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## List of Quiz Questions

3. Which of the following is/are Symptoms of Novel Corona Virus? \*

10 points

*Mark only one oval.*

- ☐ Fever
- ☐ Cough
- ☐ Shortness of Breath
- ☐ All of the above

4. SARS virus was spread in 2002 in which country? \*

10 points

*Mark only one oval.*

- ☐ China
- ☐ Saudi Arabia
- ☐ Vietnam
- ☐ Iran

5. Which section of the epidemic diseases Act empowers state government/UTs to take special measures and formulate regulations to contain any outbreak? \*

10 points

*Mark only one oval.*

- ☐ Section 4
- ☐ Section 2
- ☐ Section 6
- ☐ Section 7

6. In SARS 'A' Stands for \*

10 points

*Mark only one oval.*

- ☐ Acute
- ☐ Adverse
- ☐ Advantage
- ☐ Advance

7. A Corona virus is a kind of common virus that causes an infection in \*

10 points

*Mark only one oval.*

- ☐ Nose
- ☐ Sinuses
- ☐ Upper Throat
- ☐ All of the above

8. MERS was first spread over in which country? \*

10 points

*Mark only one oval.*

- ☐ China
- ☐ Saudi Arabia
- ☐ Oman
- ☐ Yemen

9. The first case of Novel Corona virus was identified in \*

10 points

*Mark only one oval.*

- ☐ Beijing
- ☐ Shanghai
- ☐ Wuhan,Hubei
- ☐ Tianjin

10. Which of the following diseases are related to Corona virus \*

10 points

*Mark only one oval.*

- ☐ MERS
- ☐ SARS
- ☐ Both A & B
- ☐ Neither A Nor B

11. Corona virus was first identified in which decade \*

10 points

*Mark only one oval.*

- ☐ 1960s
- ☐ 1950s
- ☐ 1980s
- ☐ 1970s



12. Corona viruses are.. \*

10 points

*Mark only one oval.*

- ☐ They are transmitted between animals and plants
- ☐ They are transmitted between Human and Plants
- ☐ They are transmitted between animals and peoples
- ☐ None of the above

13. From where the Corona Virus got its name \*

10 points

*Mark only one oval.*

- ☐ Due to their crown like projection
- ☐ Due to their leaf like projection
- ☐ Due to their surface structure of Bricks
- ☐ None of the above

14. World Health Organization on 11th February 2020, announced an official name for the disease that is causing the 2019 novel Corona Virus outbreak?What is the new name of the disease? \*

10 points

*Mark only one oval.*

- ☐ COVID-19
- ☐ COVn-19
- ☐ COnV- 20
- ☐ COnVID-19

15. What precaution that need to be taken to protect from the Corona Virus \* 10 points

*Mark only one oval.*

- ☐ Cover your Nose and Mouth when sneezing
- ☐ Add more garlic into your diet
- ☐ Visit your doctor for antibiotic treatment
- ☐ Wash your hands after every hour

16. In which age group the COVID-19 spreads \* 10 points

*Mark only one oval.*

- ☐ COVID-19 occurs in all the age groups
- ☐ Corona virus infection is mild in children's
- ☐ Older Persons and Persons with Pre- Existing medical Conditions are at high risk to develop serious illness
- ☐ All of the above are correct

17. Name a clinical trial in which blood is transfused from recovered COVID-19 patients to a corona virus patient who is in critical condition \* 10 points

*Mark only one oval.*

- ☐ Plasma Therapy
- ☐ Solidarily
- ☐ Remdesivir
- ☐ Hydroxychloroquine

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This content is neither created nor endorsed by Google.

Google Forms



**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY, LAVEL  
Department of Civil Engineering**

**Details of the Activity Organized under National Service Scheme**

**“Deliver Flood relief Material”**

**Activity-** To deliver flood relief material to the Flood affected area at Chiplun

**Objective of the Activity-** To deliver the flood relief material in the form of daily routine things required in the flood affected areas at Chiplun (Sati and Shankar wadi)

**Date-** 28<sup>th</sup> July 2021

**Venue-** Chiplun City (Sati and Shankarwadi area)

**Organized by –** NSS Unit of Gharda Institute of Technology and Dream Helpers  
NGO



Help to flood victims by GIT students



**Information –**

As an helping hands to the flood victims of Chiplun students of Gharda Institute of technology delivered the flood relief material the flood affected areas of Sati and Shankarwadi of Chiplun Taluka, Manish Repal, Tanmay Baing, Pranay Khumbhar and Hrushik Mate has taken initiative to complete this activity successfully. Biscuits Packets and driningg water bottles were delivered by the students to the flood affected areas.

**Outcome of the Activity-**

- 1) Material delivered successfully
- 2) Importance of helping others has been understood

**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY, LAVEL  
Department of Civil Engineering**

**Details of the Activity Organized under National Service Scheme**

**“ Pledge of Janta Curfew ”**

Activity- To fight against Corona taking Janta

Curfew Pledge Date – 22<sup>th</sup> March 2020



**Information about the Activity-** Janta Curfew pledge was taken by the NSS Volunteers as a part of activity to fight against Corona Virus. As it was not possible to spread the awareness via public communication or go on to the field. Certificates after the pledge has been generated.



# **NATIONAL SERVICE SCHEME**

**Short Summary/Overview (2020-21)**

**Presented by Prof.V.D.Kamble**

**NSS Program Officer, Training and Placement Coordinator**



# **CONTENTS OF PRESENTATION**

**1.NSS ACTIVITIES CONDUCTED FOR THE YEAR 2020-21**

**2.UMA AND UMA INITIATIVES FOR THE YEAR 2020-21**







# **1.NSS ACTIVITIES CONDUCTED FOR THE YEAR 2020-21**





# Arogya Setu Application Download and Awareness



# Competition on Corona Awareness



**GHARDA INSTITUTE OF ENGINEERING & TECHNOLOGY**



Approved by AICTE, New Delhi, Government of Maharashtra, Recognized by DTE, Affiliated to University of Mumbai

National Service Scheme Unit of Gharda Institute of Technology Organizes One Week Online Competition on

## “AWARENESS FOR COVID-19”



Theme of Online Competition is

“Awareness for COVID-19”

- 1) Poster Making
- 2) Short Video Making
- 3) Selfie with Slogan
- 4) Poems

Date-21<sup>st</sup> April 2021 to 28<sup>th</sup> April 2021

Link for Registration-

<https://forms.gle/Gd6KvStEMbb6SbjW7>

All registered participants will get participation certificate

First Three winner will get winner's certificate with Prize

Student Co-Ordinator-  
1) Shubham Kadav (S.E.NSS.)  
Contact Number-7447685903  
2) Gauri Kanade (S.E.NSS)  
Contact Number- 7821011469

Dr. P. S. Joshi  
Principal

Prof. V. D. Kamble  
NSS Program Officer

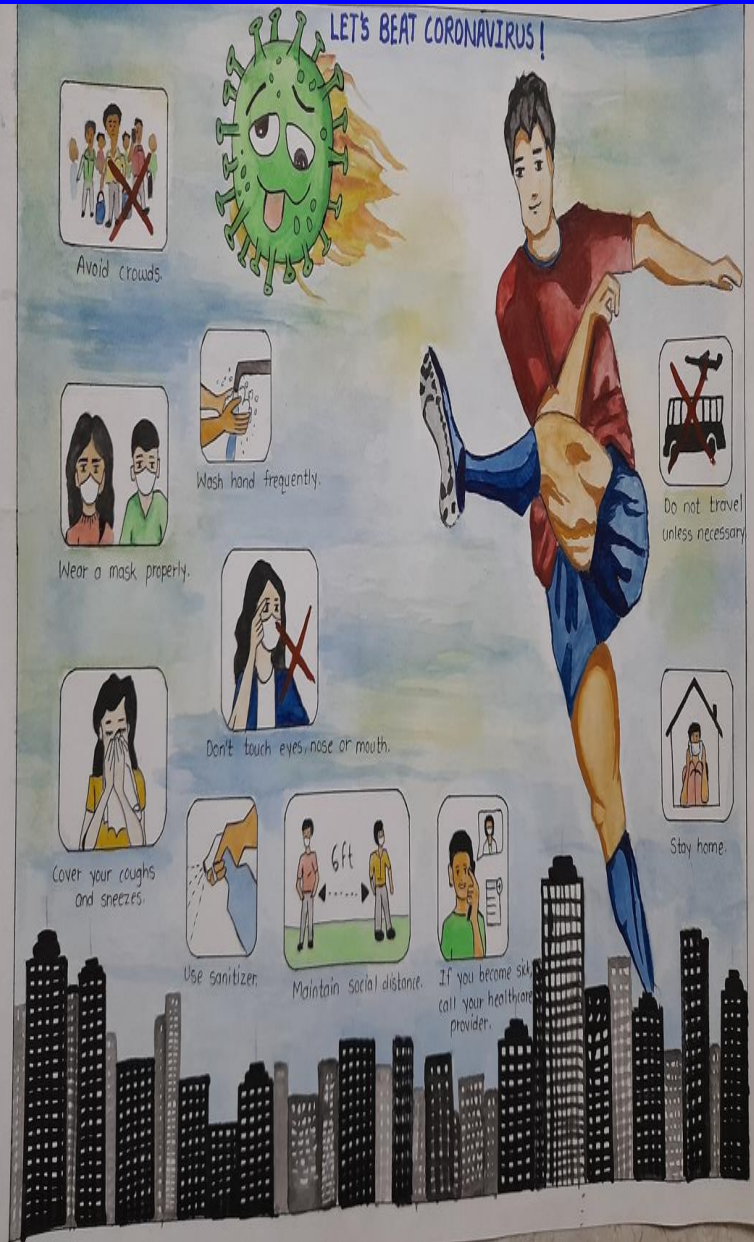


# Competition on Corona Awareness

Name- Amisha S. Madav TEIT FAMT

## Stand Together

In light of the troubles we have today,  
There's just a few things I'd like to say  
Although the days of this feel bore and long,  
Together as a country we should stand strong  
Share your kindness and your love,  
Not the time to be mean, push and shove  
It's time to say tight,  
Everything will become definately right  
Now it's time to stand together,  
Not by standing together  
Stay home Stay Safe,  
Be Safe and keep others safe





# Corona Awareness Quiz



## Certificate For Corona (COVID-19)

Date 9/9/2020

### Awareness Quiz

This Certificate Declares That

**Sushil Anant Ghanekar**

Has Completed successfully Corona (COVID-19) Awareness Quiz with a Passing Score of 67%

Certificate ID ULUDKS-CE000287

A handwritten signature in black ink, likely belonging to the Principal.

Principal

A handwritten signature in black ink, likely belonging to the NSS Program Officer.

NSS Program Officer

# Guest Lecture on Corona Awareness



**GHARDA INSTITUTE OF ENGINEERING & TECHNOLOGY**



Approved by AICTE, New Delhi, Government of Maharashtra, Recognized by DTE, Affiliated to University of Mumbai

One Day Online Webinar on

## **“AWARENESS FOR COVID-19”**

Speaker- Dr.Mahesh Murtade, (M.B.B.S)  
Primary Health Centre, Rajapur

**Date-20<sup>th</sup> April 2021, Time :8.00 PM**

Google Meet Link for Joining- <https://meet.google.com/tvj-kyon-mat>



Co-Ordinator-Prof.V.D.Kamble  
NSS Program Officer  
For Contact- 8698640430

Dr.P.S.Joshi, Principal  
Gharda Institute of Technology

**ORGANIZED BY: NATIONAL SERVICE SCHEME, GHARDA INSTITUTE OF TECHNOLOGY**

# Guest Lecture on Corona Awareness

Inbox (15,049) - vaibhavkamble x Meet - tvj-kyon-mat x New Tab

meet.google.com/tvj-kyon-mat

Apps Rice Polisher at Bes... Download Tally.ERP... Computer Applicati... Computer Hardwar... मराठीतून कॉम्प्युटर को... testgard.com (Subjective Questio... Reading list

REC You are presenting

You're presenting to everyone

Stop presenting

Mr. Vaibhav D. ... Sharmila Dhipale

Vibhakti Bendre Manju Jadhav

Mahesh Mortade Aarati Sandip D...

Meeting details

People (93) 31 Chat

- Supriya Ingale
- Swati Derdekar
- T.E. Mech MAYURESH VI...
- Tanmay
- TE Mech - Manish Pawar
- Varsha Rambade
- Vibhakti Bendre

Turn on microphone (ctrl + d)

Meeting details ^

Turn on microphone (ctrl + d) Raise hand Turn on captions You are presenting

Type here to search

08:34 PM 20-04-2021

Mahesh Mort...



## Mask distribution activity nearby Homes





# Celebration of Dr.Babasaheb Ambedkar Jayanti and quiz Generation



**GIT** GHARDA  
INSTITUTE OF  
TECHNOLOGY

## CERTIFICATE OF PARTICIPATION

**GF** GHARDA  
FOUNDATION

PRESENTED TO



**Sanket Sudarshan Sakpal**

of **Dr.Babasaheb Ambedkar college  
Ambadave**



for attending E- Certificate Quiz

**130th Birth Anniversary of Dr.Babasaheb Ambedkar**

Held during 14th April 2021, organized by National Service Scheme Unit of ,  
Gharda Institute of Technology,Lavel, Tal-Khed, Dist- Ratnagiri.

Mr.V.D.Kamble  
NSS Program Officer

Dr.P.S.Joshi  
Principal

*These is an electronically generated certificate and does not require signature*



## Tree Plantation Activity Nearby Homes





# One Day Workshop on Problem Identification and Solving



**GHARDA INSTITUTE OF ENGINEERING & TECHNOLOGY**



Approved by AICTE, New Delhi, Government of Maharashtra, Recognized by DTE, Affiliated to University of Mumbai



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

One Day Workshop on

## **PROBLEM SOLVING AND IDENTIFICATION**

Exclusive Question and Answer Session  
with Prof. G.D. Parulekar

Co-Ordinator-Prof. Vaibhav D. Kamble  
For Contact – 8698640430



Speaker : Prof. G.D. Parulekar

*Registration*

OR

Enter the Following google  
Form Link

[https://forms.gle/mY2gKZTrX  
AWUxevo6](https://forms.gle/mY2gKZTrXAWUxevo6)



Scan to Register

Date-31<sup>st</sup> January 2021  
Time : 11:00 AM

Organized by: Institute Innovation & Incubation Cell, Gharda Institute of Technology

# One Day Workshop on Problem Identification and Solving

## Local Problem solution through students projects

Village- ANARI ,Tal-Chiplun

Identification – First problem found out by local students then we discussed in detail with local people and suggest for ferrocement tank and assure for Technical support from GIT

Capacity -25000 Liter

Technology –Ferrocement

Support –Gharda Institute of Technology + Jalvardhini Prastistan Mumbai

Duration -7 days

Cost -@ 100000/- (Rs. 4/Liter)

Benefit – About 600 to 700 people water problem solved.



Mr. Guruprasad D. Parulekar

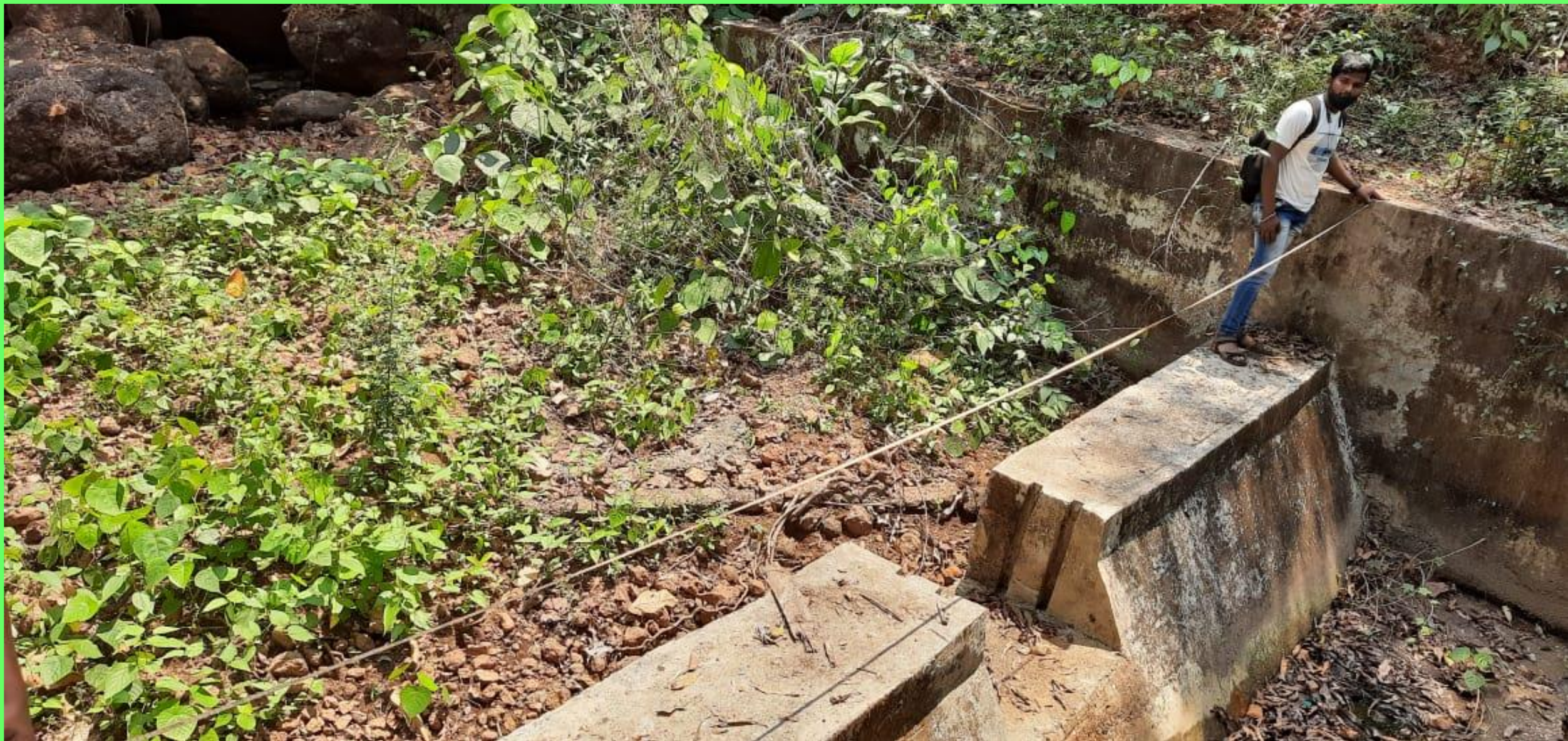


## Participation of NSS Volunteers in JYS Work





## Participation of NSS Volunteers in JYS Work





## Participation of NSS Volunteers in JYS Work



Latitude: 17.921055  
Longitude: 73.108722  
Elevation: 105.04 m  
Accuracy: 3.1 m  
Time: 03-09-2021 14:01  
Note: Kavdoli lbs

Powered by NoteCam



# Participation of NSS Volunteers in JYS Work



Latitude: 17.927552  
Longitude: 73.104603  
Elevation: 70.01 m  
Accuracy: 1.8 m  
Time: 03-09-2021 14:44  
Note: Kavdoli vihir 4



# Participation of NSS Volunteers in JYS Work



Latitude: 17.927552  
Longitude: 73.104603  
Elevation: 70.01 m  
Accuracy: 1.8 m  
Time: 03-09-2021 14:44  
Note: Kavdoli vihir 4



# Groundwater Survey and Management Survey Workshop

Zoom Meeting

SAIName, Geology and groundwater availability (Compatibility Mode) - Microsoft PowerPoint

Slide 1 of 10

महाराष्ट्र शासन  
पाणी पुरवठा आणि स्वच्छता विभाग

रत्नागिरी जिल्हा

वरिष्ठ भूवैज्ञानिक,  
भूजल सर्वेक्षण आणि विकास यंत्रणा,  
रत्नागिरी

Click to add notes

Chat

From Virendra Patil to Everyone:

Name- Virendra Mahadev Patil  
College Name- D.B.J College Chiplun.

From Me to Everyone:

Name -Abhishek Sanjay Salvi  
Gharda institute technology lavel

From Prasad Jangale to Everyone:

प्रसाद प्रभाकर जांगळे

From Suraj salunkhe to Everyone:

Salunkhe Suraj Dilip  
NSS Volunteer  
Govindrao Nikam College Of Pharmacy, Sawarde tal, chiplun, Dist. Ratnagiri

From Ashutosh Talathi to Everyone:

Name : Ashutosh Sanjay Talathi  
Govindrao Nikam College Of Pharmacy  
Sawarde Chiplun  
Dist.Ratnagiri

To: Everyone

Type message here...



# Flood Relief Activity at Chiplun





# Water tank construction by using Ferrocement Technology

**GIT** GHARDA  
INSTITUTE OF  
TECHNOLOGY





# Helping Slum Area People during Lockdown





# Cyber Security Awareness Month

**सावधान! ईमेल व्दारे आणि कोणत्याही सोशीयल मिडिया व्दारे येणाऱ्या बनावट मेसेज किंवा बनावट वेबसाईट पासून सावध रहा....!**



**बनावट ईमेल पासून सावधान! सावध रहा...!**

- इंटरनेटवर आपण दररोज नवनवीन वेबसाईट वापरतो. फेसबुक, जीमेल किंवा आपल्या बँकेची वेबसाईटही आपण नेहमीच वापरतो.
- बऱ्याचदा आपण वापरत असणारी वेबसाईट प्रत्यक्षात बँकेच नसून, भलतीच असल्याचे लक्षात येते. बऱ्याचदा आपण उघडलेली वेबसाईट हुबेहुब आपल्या बँकेच्या वेबसाईटप्रमाणेच भासते.
- प्रत्यक्षात मात्र, त्या वेबसाईटची निर्मिती 'फिशिंग'च्या उद्देशाने केलेली असते.

## फिशिंग वेबसाईट ओळखायची कशी?

- ❖ सर्वप्रथम त्या वेबसाईटचा यूआरएल (URL) तपासून पाहण्याची आवश्यकता आहे.
- ❖ त्यानंतर वेबसाईटचे नाव पहावे.  
उदा. [www.abcdbank.com](http://www.abcdbank.com) या वेबसाईटवर आपण आहोत असे आपल्याला वाटत असेल आणि URL मध्ये वेबसाईटचे नाव [www.xyz.com](http://www.xyz.com) असेल तर, हा नावातील बदल फिशिंगचा संकेत आहे.
- ❖ तसेच, ती वेबसाईट <https://> आहे का, हे बघणे आवश्यक आहे. त्यावरून ती वेबसाईट सुरक्षित आहे की नाही, याचा अंदाज बांधता येतो.

**वैयक्तिक माहिती पॉप अप स्क्रीन वर टाकू नका कारण मोठ्या कंपन्या आणि ऑर्गनायझेशन पॉप अप स्क्रीन व्दारे माहिती गोळा करत नहिल. सावधान!**

## असा करा बचाव...

- ❑ कोणतीही वेबसाईट उघडताना लिंकवर क्लिक न करता त्या वेबसाईटचे नाव स्वतः 'URL' मध्ये टाईप करावे.
- ❑ वेबसाईट उघडल्यावर पुन्हा वेबसाईटचे नाव तपासावे.
- ❑ ऑनलाइन व्यवहार करताना केवळ [https](https://) वर भुलून जाऊ नये. वेबसाईटची सत्यता तपासून पाहावी.



सिक्युरिटी वाढवण्यासाठी तुमच्या ॲप्लिकेशन ला उपडेट करता रहा. तुमचा ईमेल हॅक होऊ शकतो सावध रहा. कोणतीही वैयक्तिक माहिती कोणत्याही वेबसाईट वर टाकू नका तुमचा अकाउंट हॅक होऊ शकतो.



# E-Pledge





मेरी सरकार



मेरी सरकार



Ministry of Electronics  
and Information Technology  
Government of India



एक कदम स्वच्छता की ओर



मेरी सरकार

## Swachhata Pakhwada 2021

# E-Waste Pledge

## Swachhta hi Suraksha



E-WASTE



शपथ लीजिये  
Take Pledge

यदि शपथ पहले ही ले ली है तो वचनबद्धता का प्रमाण-पत्र प्राप्त करें If already taken Pledge, Get the Certificate of Commitment



प्रमाणपत्र अपने ई-मेल | मोबाइल पर भेजें  
Send certificate to your Email | Mobile



प्रमाणपत्र डाउनलोड  
Download Certificate

# COVID Vaccination Drive



Gharda Foundation' s  
**GHARDA INSTITUTE OF TECHNOLOGY**



In Association With  
**Aarogya Vibhag Ratnagiri District**  
*With Best Compliments From*



Directorate of Technical Education, Maharashtra State, Mumbai

## **COVID VACCINATION DRIVE**

**FOR STUDENTS, FACULTY AND STAFF**

**On 28<sup>th</sup> October 2021**

**:: Venue ::**

**Ground floor, B wing, Gharda Institute of Technology  
At Post Lavel, Tal. Khed, Dist. Ratnagiri, Pin.415708**



**Protect yourself.  
Protect others.  
Get vaccinated.**



# COVID Vaccination Drive





A scenic landscape featuring a winding river through a lush green valley. The river flows from the foreground towards the background, curving to the right. The banks are covered in dense green vegetation and scattered trees. In the distance, rolling hills and mountains are visible under a clear sky. The overall scene is peaceful and natural.

# **SOCIAL OUTREACH ACTIVITIES 2020-21**

# UMA ACHIEVEMENTS

GIT Recognition by GOM by inclusion of Institute name in Government Resolution as Authorized Third Party Evaluators (GR DATED 5<sup>th</sup> JULY 2017)

Number of meetings held at District Collectors Office

Trainings Provided

Third Party Assessment of Rural  
Water Supply Schemes

Third Party Assessment of Jalyukta  
Shivaar Works

Projects were highly appreciated by CTARA Department, Water Conservation Department, Government of Maharashtra, water supply and sanitation department of Government of Maharashtra



## Ongoing Projects Under Unnat Maharashtra Abhiyaan

## Third Party Assessment of Jalyukta Shivaar Works of Ratnagiri District Villages





# Students Final Year Projects



## Mini Project on



Study of water conservation structures under Jalyukta Shivar  
Abhiyan : Malgund and Kasarweli village

Presented by :

- 32. Priyanka Madhukar Gamare
- 33. Mahesh Ramesh Gijjewar
- 34. Darshana Dashrath Gole
- 35. Ketaki Vilas Gurav

**Project Guide**

**Prof. S.S.Gujarathi**



**MUMBAI UNIVERSITY**

**Department of Civil Engineering**

**Gharda Institute of Technology**

A/P Lavel, Taluka: Khed, District: Ratnagiri-415708, Maharashtra

**ACADEMIC YEAR:2020-21**



## Mini Project on

### CASE STUDY ON ASSESSMENT OF "NIVENDI" VILLAGE FOR "JALYUKT SHIVAR SCHEMES"

Student Name's

- 28) Lankesh Ashok Chougule
- 30) Prajwal Santosh Darde
- 31) Pratik Sanjay Devare
- 72) Barkatali Mubeen Wasta

**Project Guide :**

**Prof. Snehal Gujrathi**

**DEPARTMENT OF CIVIL ENGINEERING**



**MUMBAI UNIVERSITY**

**Department of Civil Engineering**

**Gharda Institute of Technology**



# Students Final Year Projects



## **Jalyukta Shivar 2018-19 assessment of Dapoli Taluka, Ratnagiri:Field and GIS based approach**

Submitted in partial fulfillment of the requirements  
of the degree of

**Bachelor of Engineering (Project Stage I)**

by

Miss. Pawar Meghana Kamlakar (Roll no: 53 )

Miss. Pawar Shobha Mangesh (Roll no: 55 )

Miss. Pawar Tejal Manoj (Roll no: 56 )

Mr. Raokar Aditya Vivek (Roll no: 59 )

Under the Guidance of

**Dr. Y. R. Kulkarni**



**MUMBAI UNIVERSITY**

**Department of Civil Engineering  
Gharda Institute of Technology**

A/P Lavel, Taluka: Khed,  
District: Ratnagiri-415708, Maharashtra

**ACADEMIC YEAR: 2021-22**



## **“DESIGN OF WATER DISTRIBUTION SYSTEM USING EPANET SOFTWARE AND ALSO OPTIMIZATION OF SYSTEM USING IIT BOMBAY'S JALTANTRA.”**

Submitted in partial fulfillment of the requirements

Of the degree of

**Bachelor of Engineering**

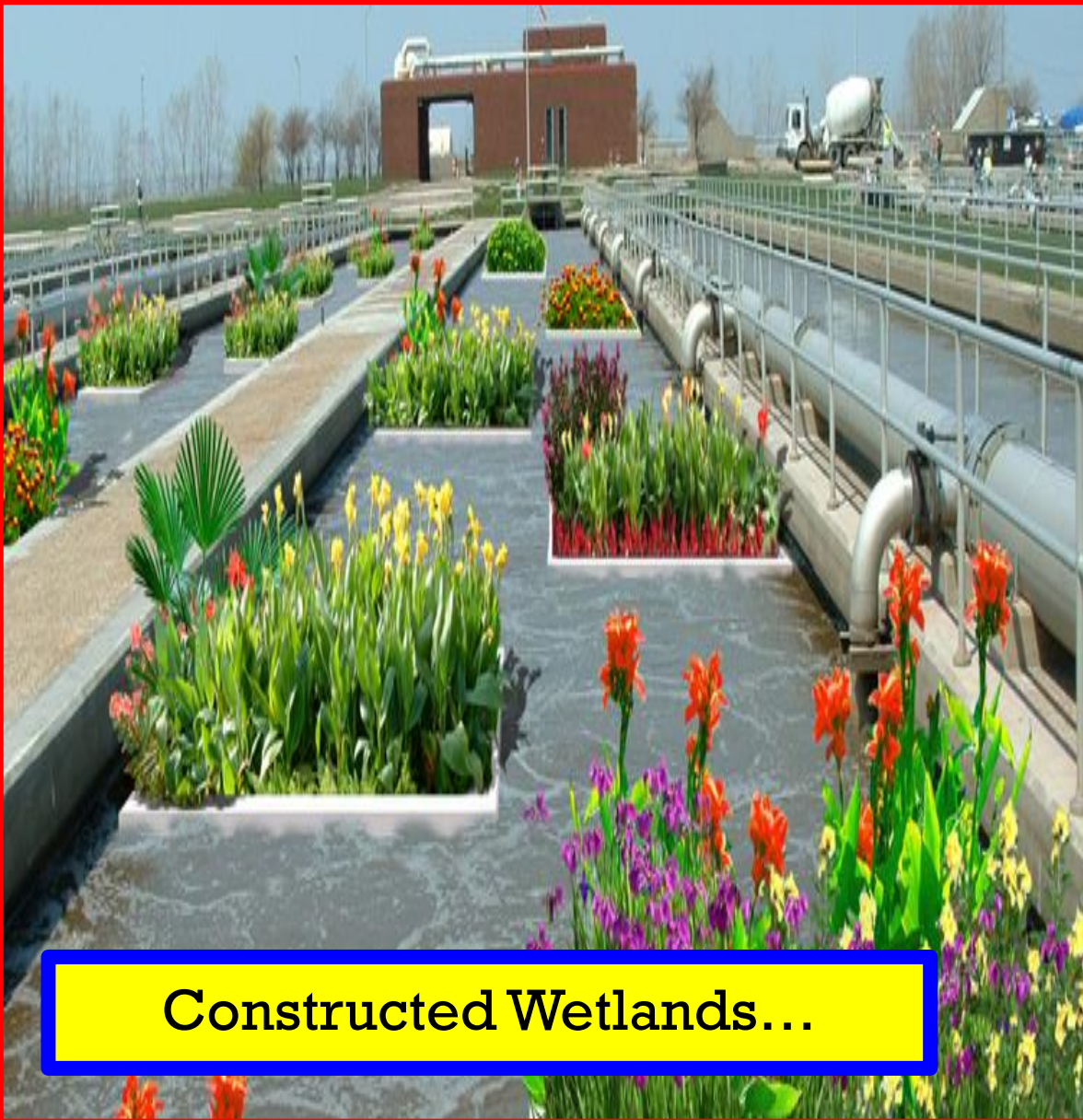
by

**Mr. Faizan Mahmed Saiyad (Roll.No:43)**

**Mr. Gautam Gour Sarkar (Roll.No:44)**



Currently We are working on...



Constructed Wetlands...



Organic Composting...



# News Letter Publication

NEWS LETTER NSS(2019-2020)



***NATIONAL SERVICE SCHEME (N.S.S.)***

*ACTIVITIES CARRIED OUT BY NSS UNIT OF GHARDA  
INSTITUTE OF TECHNOLOGY DURING THE YEAR 2019-2020*

NEWS LETTER NSS(2020-2021)



***NATIONAL SERVICE SCHEME (N.S.S.)***

*ACTIVITIES CARRIED OUT BY NSS UNIT OF GHARDA  
INSTITUTE OF TECHNOLOGY DURING THE YEAR 2020-2021/*





**THANK YOU**







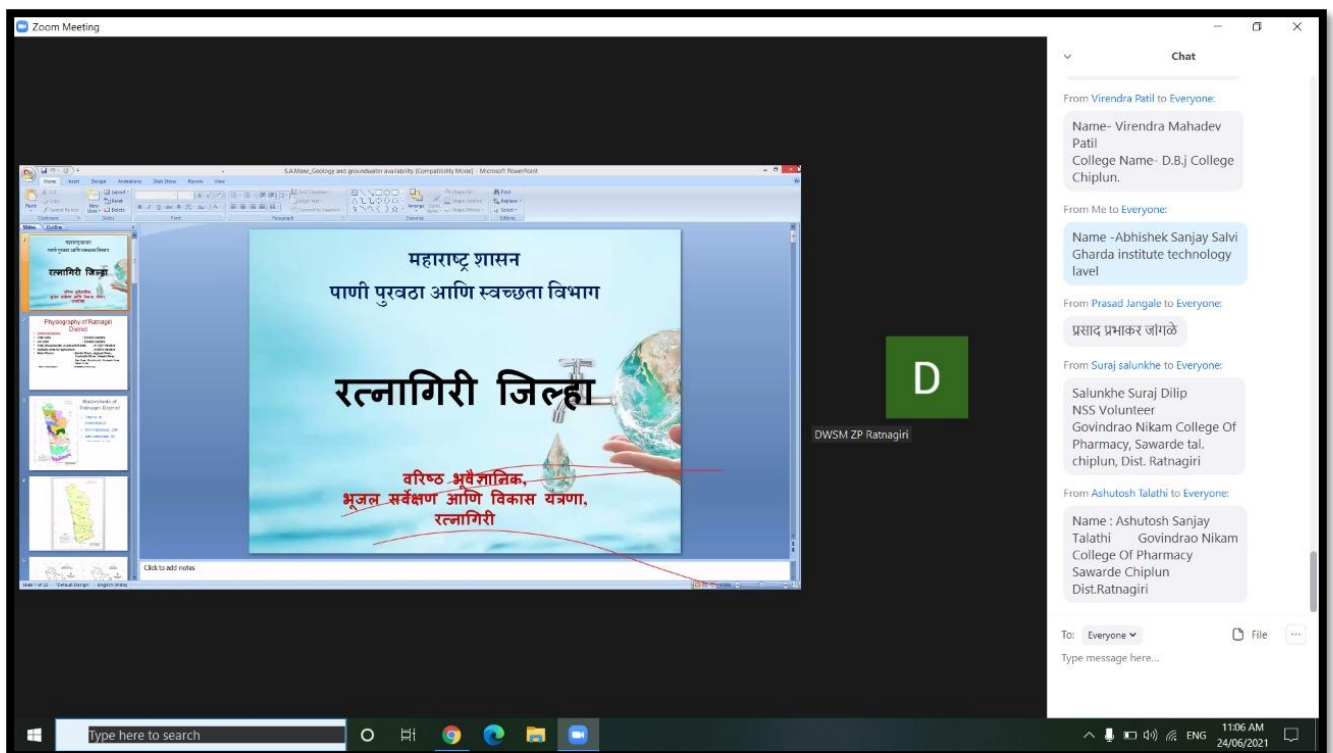
**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY, LAVEL  
Department of Civil Engineering**

**Details of the Activity Organized under National Service Scheme**

Title of the Activity- “Participation of NSS Volunteers in Groundwater Survey and Management Workshop ”

Objetive of activity- To learn the Groundwater Survey and its management Techniques

Date of Activity-24<sup>th</sup> June 2021.



Screenshot of the Session

**Information-** An arrangement of Online Groundwater Survey Management workshop has been organized by Ground Water Survey Department, Ratnagiri. The main purpose of this workshop is to get aware about the importance of management of Groundwater. Different survey techniques to asses the groundwater. The techniques of groundwater management has been also shared with the participants.

**Outcomes of the Activity-**

- 1) The Event was done successfully
- 2) Different groundwater management techniques were learned by the volunteer



**GHARDA FOUNDATION'S**  
**GHARDA INSTITUTE OF TECHNOLOGY, LAVEL**  
**Department of Civil Engineering**

**Title of the Activity** -One Day Workshop on “Problem Solving and Identification”

**Date of the Activity**- 31<sup>st</sup> January 2021

**Time**- 11.00 am to 12.30 pm

**Name of the Speaker** – Prof.G.D.Parulekar, Assistant Professor, Department of Civil Engineering, Gharda Institute of Technology, Tal- Khed, Dist- Ratnagiri, Pin-415708

**Organized by** – Innovation and Incubation Cell of Gharda Institute Of Technology

**Mode of Conduction** – Online(via Google Meet Platform)

**Participants**-Under Graduate Students of different disciplines and Faculties

The title of the session was “Problem Solving and Identification”. In our day to day life every individual came across various problems or challenges. Some of them are at personal level. These challenges have to be dealt personally. But the problem when a community, locality or society faces related to technical field. It is every engineer's duty or responsibility to give it a better solution to the problem. Because the ultimate aim of every engineering graduate apart from earning money should be for the well being of society.

**Objectives of the Activity**

- 1) To develop problem solving approach as well as problem identification approach among the students.
- 2) To bridge the gap between theoretical and practical knowledge among the engineering students.

**Details of the Activity-**

Prof. G.D.Parulekar Assistant Professor, Civil Engineering Department, Gharda Institute of Technology, who was the speaker for the Session explained about the different types of problems that a community faces. How to identify a particular problem, after identifying the problem, how to solve it giving a practical solution, has been elaborated in detail by the speaker.

Actual field example of certain projects which was undertaken by the Guidance of Prof.G.D.Parulekar has been shown and discussed with the participants. Exclusive question and answer session were taken at the end. Total 193 participants were registered for this one day workshop on “ Problem Solving & Identification” 108 participants were present during the google meet. Feedback was taken at the end of the session.

**GHARDA INSTITUTE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, New Delhi, Government of Maharashtra, Recognized by DTE, Affiliated to University of Mumbai

**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

Speaker : Prof. G.D.Parulekar

**One Day Workshop on**  
**PROBLEM SOLVING AND IDENTIFICATION**

Exclusive Question and Answer Session  
with Prof.G.D.Parulekar

Registration

OR

Enter the Following google  
Form Link

Scan to Register

Co-Ordinator-Prof.Vaibhav D.Kamble  
For Contact – 8698640430

<https://forms.gle/mY2gKZTrXAWUxevo6>

Date-31<sup>st</sup> January 2021  
Time :11:00 AM

Organized by:Institute Innovation & Incubation Cell, Gharda Institute of Technology

Invitation Template of the Workshop

**GHARDA INSTITUTE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, New Delhi, Government of Maharashtra, Recognized by DTE, Affiliated to University of Mumbai

**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

One Day Workshop on

**PROBLEM SOLVING AND IDENTIFICATION**

Co-Ordinator-Prof.Vaibhav D.Kamble  
For Contact – 8698640430

<https://forms.gle/mY2gKZTrXAWUxevo6>

Date-31<sup>st</sup> January 2021  
Time :11:00 AM

Organized by:Institute Innovation & Incubation Cell, Gharda Institute of Technology

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vaibhav kamble

Image of the Introductory Session during the workshop



### Local Problem solution through students projects

Village- ANARI, Tal-Chiplun

Identification – First problem found out by local students, then we discussed in detail with local people and suggest for ferrocement tank and assure for Technical support from GIT

Capacity -25000 Liter


Technology –Ferrocement


Support –Gharda Institute of Technology + Jalvardhini Prastistan Mumbai

Duration -7 days

Cost -@ 100000/- (Rs. 4/Liter)

Benefit – About 600 to 700 people water problem solved.






Mr. Guruprasad D. Parulekar


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Image of the Session showing Local Problem solution through students project

### Solutions

1. Water tank below ground level at low cost.
2. Water tank with ferrocement technology at low cost
3. Experiment to make laterite impermeable.
4. 25000 liter ferrocement water tank with students + local peoples.





Mr. Guruprasad D. Parulekar

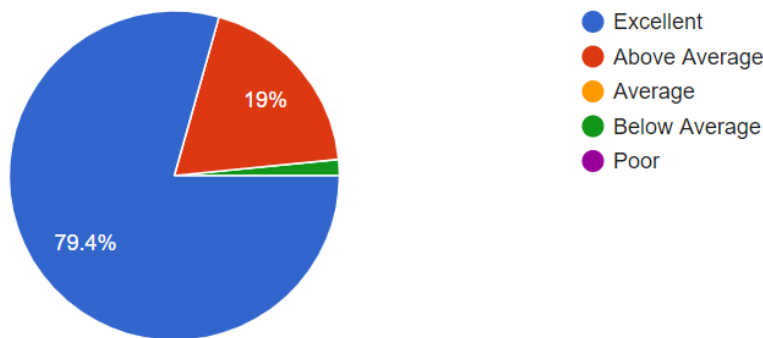
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Image of the Session showing Local Problem solution through students project

Feedback Analysis –

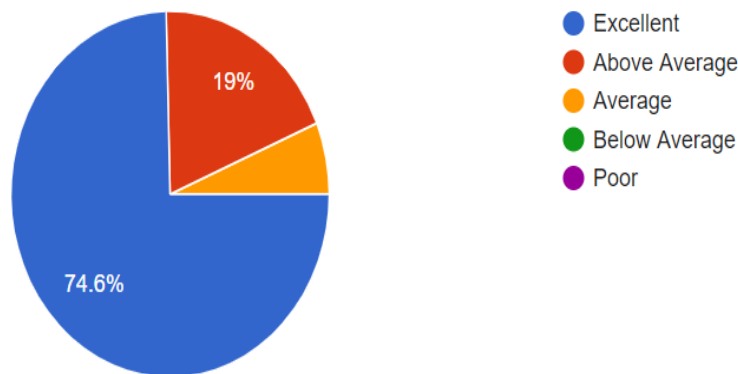
How would you rate the amount of new information you learned?

63 responses



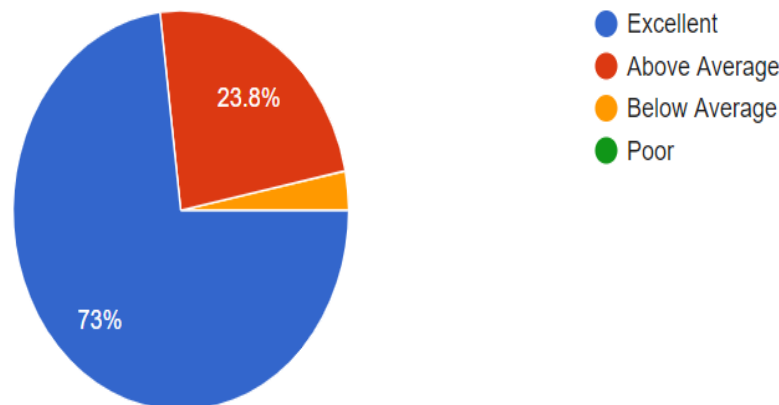
How would you rate the usefulness of this information in your future Career?

63 responses



How would you rate the session in terms of meeting your expectations?

63 responses





Draft Prepared By

Prof. Vaibhav D.Kamble

Member of Innovation and Incubation Cell

Department of Civil Engineering.

**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY, LAVEL  
Department of Civil Engineering**

**Title of the Activity** - “Water Tank Construction by Ferrocement Technology”

**Date of the Activity**- 5 December 2020 to 15 December 2020.

**Location**- Village -Anari- Jadhavwadi, Tal- Chiplun, Dist- Ratnagiri

**Guided By –**

- 1) Prof.G.D.Parulekar, Assistant Professor,Civil Engineering Department, Gharda Institute of Technology
- 2) Mr.U.M.Paranjape, Trustee,Jalvardhini Pratisthan, Mumbai

**Participants**-1)Shriya Chavan,2)Sahil Gandhi,3)Akshay Shinde,4) Ruturaj Bagave, 5) Samradni Mulay,6) Chinmay Kolage, 7) Shwetal Ghate (Students of Final Year Civil Engineering, Gharda Institute of Technology), Workers of Jalvardhini Pratisthan and Villagers of Anari – Jadhavwadi

Scarcity of drinking water during the dry season is a major problem at many places in Maharashtra. This problem has gained more attention due to continuous increase in population in past decades.

**Objectives of the Activity**

- 1) To give a solution at local level, related to storage of drinking water.
- 2) To promote problem solving approach among the students and villagers.
- 3) To Develop an alternative approach of storage of drinking water.
- 4) To bridge the gap between theoretical and practical knowledge among the engineering students.

**Details of the Activity-**

Students of Gharda Institute of Technology, under the guidance of Prof. G.D.Parulekar Assistant Professor,Civil Engineering Department, Gharda Institute of Technology and Mr.U.M.Paranjape, Trustee of Jalvardhini Pratisthan, Mumbai, have initiated and completed the task of construction of water storage tank by using Ferrocement Technology.Ferrocement Technology is cheaper in construction and lighter in weight. It has less thermal conductivity and long life. This Technology has better resistance against earthquakes.



This Water storage tank has been constructed in Anari- Jadhavwadi Village of Chiplun taluka of Ratnagiri district. Total 600 people were residing in that area. For them it is a great source of saving the water and using this water for their day to day activities. This task took only 8 days for completion. This water tank which is constructed by using ferrocement technology has a storage capacity of 25,000 liters.



Application of Cement Concrete Mortar to the Outer periphery of the Water Tank



Casting of Slab of Ferrocement Water Storage Tank



Final View of Completed Water Storage Tank by using Ferrocement Technology

**Outcomes of the Activity –**

- 1) Practical Solution at local level related to storage of drinking water has been given.
- 2) Problem solving approach among the students of final year Civil Engineering has been developed. This experience will definitely help them to bridge the gap between practical and theoretical knowledge.

Draft Prepared By

Prof. Vaibhav D.Kamble

Member of Innovation and Incubation Cell

Department of Civil Engineering.