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## **Best Practice 2**

## **Campus to Community Connect**

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#### **Best Practice 2**

#### **Title of the Practice: Campus to Community Connect**

#### **Objectives of the practice:**

- To serve the community through technical knowledge
- To strengthen bonding between the institute and community.
- To sensitize students to address real-life societal development challenges and implement solutions for local issues such as water, energy and health.
- To foster partnerships with communities to leverage knowledge and wisdom, while bridging the gap between the institute and community.

#### The context:

- There is nothing more beautiful than someone who goes out of their way to make life beautiful for others.
- Inline of vision of institute, the institute takes classroom learning into practice to provide solutions for real-life problems through the campus-to-community connect practice.
- National Service Scheme play vital role in implementing the holistic approach grounded in principle of social justice, social equality and social empowerment.
- Through these activities, institute has received honours at state and national levels.

#### The Practice:

- The institute adopted five villages and identified the local real life problems.
- After rigorous surveys institute identify diversified challenges in the areas of water, energy, health, infrastructure, environment and agriculture.
- The institute start working on these problems, designing solutions, and effectively implementing them
- In addition to that the awareness programs are conducted in the adopted villages.
- In the water sector, issues such as wastewater management and drinking water quality are identified.
- During survey, in the local community health issues were observed due to impure water.
- In this program, the participating students and staff are instructed well in advanced about the program.
- The participants are appreciated, and volunteers are felicitated with certificates, medals and trophies etc.

Thus, the campus-community connect plays pivotal role in developing social skills by building qualities of ethical and responsible citizens. It also improves student health and wellbeing, mitigate social and ecological problems, and nurture institute-community relationships.

#### **Evidence of Success:**

- The severe drinking water crisis due to the percolation dam constructed by Government agencies is identified in Kalyan village and discussed in Gram Sabha.
- To address this, institute initiated manual and satellite surveys as decided Gram Sabha and prepared a result sheet.
- Gram Sabha approved the repair of the percolation dam.
- The proposal was presented in the ZP official meeting, and the Government of Maharashtra sanctioned it as a pilot project with financial support.
- Currently, work on the percolation dam is in progress, and upon completion, it will effectively resolve the water crisis in Kalyan village, providing water for drinking and agricultural purposes.
- Open drainage caused problems in both Malvandi Dhore and Tulapur villages, but the institute constructed cost-effective and efficient soak pits to address this issue, both villages have become open drainage-free.
- Water ATM is installed in Malvandi Dhore in association with NGO.

Through this practice, Students realized that community problems can be solved with scientific and engineering solutions.

### Problem encountered and Resources required:

- Not ready to adhere to change and non-cooperation by villagers.
- Schools, districts and states still require assistance in developing comprehensive programs.
- Delay in decision making process.
- Inadequate resources to interact with the community.







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## **LIST OF ACTIVITIES: 2022-23**

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1	SPPU Covid Vaccination Drive Training	SPPU, Pune	1
2	Pre Republic Day Parade Selection	Modern college of Engineering,Pune	2
3	75 Years of Independence Mahajyot	SPPU, Pune	3
4	Gender sensitization training	SPPU, Pune	4
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Name of Event: SPPU Covid Vaccination Drive Training

Name of Guests: Hon. Prabhakar Desai

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 218

Date: 1 September 2021

Time: 10:00 am to 1:00 pm

Venue: SPPU, Pune

## Event Report:

AISSMS College of Engineering, Pune National Service Scheme participated in SPPU Covis Vaccination Drive Training in Savitribai Phule Pune University, Pune. Firstly Hon. Prabhakar Desai addressed the gathering and then Doctors and nurses gave scientific reasons behind Covaxin and Covishield Vaccine. Then they gave training on how to give vaccines to all age groups. Around 8 volunteers participated in this training session.





Training session of volunteers





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Name of Event: PRD Camp College Level Selection

Name of Guests: Mr. Shivaji Pacharne ,Mrs. Savita Kulkarni

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 07

Date: 17/09/2021

Time: 11:00 am to 5:00 pm

Venue: SPPU, Pune

## **Event Report:**

For parade on the Independence day , Savitribai Phule Pune University has organised selection camp at Modern College of Arts ,Commerce and Science college , Pune. All India Shri Shivaji Memorial Society's College of engineering National Service Scheme Volunteers enthusiastically took part in this PRD/NRD Camp. Mr. Shivaji Pacharane sir, Mrs. Savita Kulkarni mam addressed the volunteers and gave instructions about the selection criteria. 6 Volunteers of our college have gone through the selection process. Selection Process included Interview, Physical Test, Parade skills, etc. Out of 6 Volunteers ,1 were selected for University Level Camp Selection.





Selection process of volunteers in PRD.

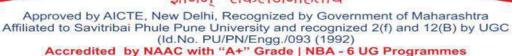






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Name of Event: 75 Years of Independence Mahajyot

Name of Guests: Hon. Prabhakar Desai

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 83

Date: 14 October 2021

Time: 11:00 am to 5:00 pm

Venue: SPPU, Pune

## **Event Report:**

All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme has participated in celebration of 75 years of Independence Mahajyot. Mahajyot is circulating in many university till 15<sup>th</sup> August 2022 all over India. On 14<sup>th</sup> October, it reached in Savitribai Phule University Pune and all volunteers from different colleges welcomed it with great honour and celebrated the day with military officers and NCC Cadets.





Participation of volunteers in Independence Mahajyot

TOE OF ENGLISH



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Name of Event: Gender Sensitization Session

Name of Guests: Dr. N. S. Umrani

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 05

Date: 24 November 021

Time: 11:00 am to 5:00 pm

Venue: SPPU, Pune

## **Event Report:**

All India Shree Shivaji Memorial Society's College of Engineering, Pune- 01 National Service Scheme participated in Gender Sensitization Training Session organized by Savitribai Phule Pune University, Pune and Maharshi Baya Karve Abhyas Kendra, Pune. Dr. N. S. Umrani addressed the gathering and stated some laws about gender equality. Neeta Mam took 5-hour session with physical activity about gender sensitivity. All program officers and volunteers had great interaction with them and they cleared all doubts and aware everyone about what is gender equality.









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Name of Event: Youth Leadership Program (Training Session)

Name of Guests: Arun khore, Kamala tai, Kishor katare, Chetaram Pawar

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 63

Date: 21 & 22 December 2021

Time: 11:00 am to 5:00 pm

Venue: SPPU, Pune

### **Event Report:**

On 21<sup>st</sup> December 2021 National Service Scheme Organized Two days' workshop for NSS Volunteers on "Youth Leadership Program with the support of UNICEF, Maharashtra in Savitribai Phule Pune University, Pune in Sant Gyaneshwar Hall. Firstly, session started with inauguration program at 10:00am. First speaker Arun khore Sir spoke about real history of great peoples, and hidden facts of History. Second session was started at 2:00pm, and guest speaker was Kishor katare, they spoke about morality. And Third speaker was Prakash Manohar. He spoke about humanity. He gave best examples of humanity. On 22<sup>nd</sup> December, first session of speaker Kamala tai, they told their success story which was started from uneducated woman to Successful business woman. Session 2nd was started in afternoon at 2:00pm with speaker Pratap Singh Salunke which spoke about Indian constitution and their beautiful designing. After that we had a tea break and then again last session is start at 4:00 pm sharp. Speaker Chetaram Pawar sir told about how to prevent forest and how government gives funding about new herbal products from forest. After that certificate ceremony is held and group photos was also taken.





Active participation of volunteers in the Youth Leadership Program.





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Name of Event: My River My Valentine Awareness

Name of Guests: Ms. Amrapali Chavan

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 73

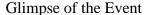
Date: 12 February 2022

Time: 11:00 am to 5:00 pm

Venue: SPPU, Pune

## Event Report:

All India Shree Shivaji Memorial Society's College of Engineering, Pune National Service Scheme organized My River My Valentine awareness session for the My River My Valentine. College representatives from all around Pune were present for the same. Dr. N. N. Shejwal addressed the students on the importance of the activity and how we should protect our rivers by making small contributions every day. Mr. Swapnil Pawar also guided students. Ms. Amrapali Chavan mam explained the history of Mula Mutha River that students were going to clean on 13th february on the occasion of Valentines day.





NSS Volunteers with Guest



Dr. N. N. Shejwal addressing the campus ambassador





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Name of Event: Gender Sensitization

Name of Guests: Ms. Amrapali Chavan

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 78

Date: 24 March 2022

Time: 11:00 am

Venue: Maharshi Baya Karve Sanstha, Pune

### **Event Report**

All India Shree Shivaji Memorial Society's College of Engineering, Pune National Service Scheme participated in University Level Gender Sensitization Program organized by National Service Scheme Savitribai Phule Pune University, Pune in Pune University. It was a two day workshop on Gender Sensitization. Many guest speakers motivated as well as conducted activities related to Gender Sensitization. Poster Making competition was also conducted on the same topic where around 10 volunteers represented our unit at University.

#### Glimpse of the Event



Volunteers with Maharshi Baya Karve Speaker



**NSS Volunteers** 









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Name of Event: Heritage conservation

Name of Guests: Mohan Shete sir

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 102

Date: 21 March 2022

Time: 11:00 am

Venue: Maharshi Baya Karve Sanstha, Pune

Event Report

On 21<sup>st</sup> March 2022 we organized **One Day University Level Workshop on HERITAGE CONSERVATION** by National Service Scheme of AISSMS COE,PUNE. For this workshop we had resource person Hon. Mohan Shete sir. This workshop was held between 10am to 5pam.In this workshop volunteers from different colleges were involved. After volunteers were arrived they got refreshments at first. Then we had inauguration at in CITP HALL ,AISSMS College, Pune. We got information of five heritage known-unknown places by Hon. Mohan Shete sir. Then we had conservation drive at this five places personally.









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Title:	Day 1 Spe	cial Resider	ntial Camp	Date:	28-2-22
Name of Guest:	Mrs. Nandini Jadhav			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46 27 5			70	148

#### **REPORT**

On the 1st day of camp, i.e., 28-2-22, science exhibition at school. On February 28th, 2022, a special residential camp at Kalyan village was planned by AISSMS College of Engineering Pune, NSS unit with 75 students. The students ate their lunch after they had placed all of their belongings and bags. After that, a team was formed and then everyone was assigned to some tasks ,like we had to bring water from the well for the preparation of dinner. **Our NSS volunteers held** a Science Exhibition for the students in which our NSS volunteers showed various science projects to school students. In the evening we had a guest lecture by Mrs. Nandini Jadhav on how superstition is a social curse. All 73 volunteers managed and conducted the programme from their respective fields under the supervision of programme officer Dr. N. N. Shejwal and NSS coordinators. We got a chance to interact with each other on the first day.

#### **Glimpse of the Event**



While at Science Exibition.



While an NSS volunteer describes the project to the ZP teacher.





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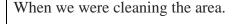
Title:	Day 2 Spe	cial Resider	ntial Camp	Date:	1-3-22
Name of Guest:	Mrs.Pooja Parge			Location:	Kalyan
No. Of Participants	Male	Male Female Staff			Total
	46	27	5	70	148

#### **REPORT**

On the 2<sup>nd</sup> day of camp, i.e., on 1-3-22, The day began at 5:30 am with a yoga session for camp and a motivational speech by Dr. N. N. Shejwal, sir. At 8 am, breakfast was given to everyone. After breakfast, everyone got instructions for their activities and started the cleaning. We started cleaning the place with immense energy. We cleaned the stones, plastic wrappers, bottles, etc. During this task, many of our team members got hurt due to torn gloves. The area was cleaned to such a level that the villagers were impressed. We did another task of digging land for tree plantation. This task was also completed in no time. After the tasks, we were called to welcome Mrs.PoojaParge Tai, who is the chairman of the Women and Children's Development Department of ZillaParishad, Pune. She was welcomed with warm greetings from everyone. She gave us her valuable advice and, after that, on the inauguration of our camp, the tree plantation was done by her and she left for other work.

## Glimpse of the Event







When we had a guest lecture from Mrs. Pooja Parge Tai.





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Title:	Day 3 Spe	cial Resider	ntial Camp	Date:	2-3-22
Name of Guest:	Mr. Manohar Khake			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46 27 5			70	148

#### **REPORT**

On the 3<sup>rd</sup> day of camp, i.e., on 2-3-22, We had to trek to Sinhagad fort. We had a great lecture by Mr. Manohar Khake, sir. A trek to the auspicious and marvellous Fort Sinhagad, which was very informative and motivational. We had such a motivational lecture by Mr. Manohar Khake, sir. The day began at 5:30 am with an early trek to Fort Sinhagad. The sunrise from the peak was mesmerising and satisfying. We did a cleanliness drive at Sinhagad fort at the place where we were distributed. We all descended till lunch time and all had a fulfilling lunch. After lunch, everyone took a little rest and started to do their assigned work, like painting. We painted the entrance wall of Kalyan village. In the evening, the guest gave an informational as well as motivational session to all students. After dinner, the cultural performance of team Shivallik started and they performed a skit on "Past Raigad and Present Raigad". They also performed dance.

#### Glimpse of the Event



While we did a cleanliness drive on Sinhgad Fort.



while two volunteers prepare the colour for painting the wall.





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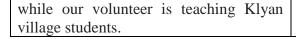
Title:	Day 4 Spe	cial Resider	ntial Camp	Date:	3-3-22
Name of Guest:	Mr. Ayush Prasad.			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46 27 5			70	148

#### **REPORT**

On the 4<sup>th</sup> day of camp, i.e., on 03-3-22, the day began at 5:30 am with a yoga session. On this day, we carried out the activity of painting in the village. The guest lecture is done by Mr. Ayush Prasad. First of all, we cleaned the surrounding area around the places where we are going to paint. After the painting task, we were allotted the classes to teach the students in the school. After that, we had a lunch break and then back to the teaching work. We were allotted classes from 1st to 10th. This was a great experience for all of us. We enjoyed a lot while interacting with them. On this day, the evening lecture was initiated by Mr. Ayush Prasad, who was our guest. He has such a friendly nature. In his busy schedule, he gave some time for us. It's such a pleasure for us. It was a great session at the end. After the session, we had our dinner, and after that, a cultural performance was done by the team.

## Glimpse of the Event







when we had a guest lecture by Mr. Ayush Prasad, sir.







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Title:	Day 5 Special Residential Camp			Date:	4-3-22
Name of Guest:	Mr. Vivek Velankar.			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46 27 5			70	148

#### **REPORT**

On the 5<sup>th</sup> day of camp, i.e., on 4-3-22, we had our kitchen and cultural activity. We got up early in the morning at 5 o clock. All the boys went to fetch the water for making breakfast from the well. After that, we cleaned the premises area of the school by doing sweeping. Other team members were helping kale mama with making breakfast. A few were washing the dishes. We made pohachivda for breakfast. The arrangement of seats was so cool. Then we moved to plan further things for the day. We started writing the script for today's "Pathnatyaa". After some time, we started to prepare lunch. The menu for lunch was Masurdaaltadka, varan, rice, chapati, and pickle. We made some changes in chapati making, making chapati a bit larger in size with oil. The count of chapatis was around 200. And that was loved by everyone. We also helped some women to bring water from the well.

### Glimpse of the Event



Description: while we were preparing for lunch.



Description: while we were helping to bring water from the well.





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Title:	Day 6 Special Residential Camp			Date:	5-3-22
Name of Guest:	Mr. Anil Kengar			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46 27 5			70	148

#### **REPORT**

We had computer literacy, cleaning, and village beautification duties on the sixth day, or 5-3-22. Digital literacy among the people is important and necessary for their improvement and the improvement of the village. The day started at 5:30 am with a camper yoga class. Day began with self-defense instruction given to students by our volunteers, followed by a computer literacy survey. We were instructed to complete a digital survey after lunch until 4:00 PM. Then Mr. Anil Kengar sir gave a talk to us about social awareness. Following the session, we had dinner. Our seniors came to visit us that day in the evening. A cultural group presented their work.

### Glimpse of the Event



Description: When our two volunteers are taking self-defence training at school for students from  $1^{\rm st}$  to  $10^{\rm th}$  grade.



Description: while we were doing a digital literacy survey.



Dr.D. S. Bormane

Principal



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Title:	Day 7 Spe	cial Resider	ntial Camp	Date:	6-3-22
Name of Guest:	Mr. Dhananjay Narwade			Location:	Kalyan
No. Of Participants	Male Female Staff			Others	Total
	46	27	5	70	148

#### **REPORT**

On the last day of camp, i.e., on 6-3-22, the programme was initiated by Mr. Dhananjay Narwade to introduce the topic "How to become an entrepreneur." The first thing he said was how to get success in your life and how he succeeded in becoming an entrepreneur. He told us about all the difficulties he faced while starting his business and motivated us with his successful story. We had a great Bharud by Mr. Anil Kengar. The cultural team performed their performances. In between, a group of Kalyan school girls performed their performance Mr. Dhananjay Narwade told us his past experience of how to become an entrepreneur In the Bharud Session we were much entertained by Mr. Anil Kengar. He is such a great person. It was such a hilarious part of the day. After that, on the last day of this NSS camp, we had our campfire. In this, each and every one has shared their thoughts about this NSS camp.

#### Glimpse of the Event



while giving information about Google pay,phone pay



When we were enjoying the Bharud by Mr. Anil Kengar and cultural activities by our other team,

#### Glimpse of the Event



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CONSTRUCTION OF COMPOST PIT

**SMASHANBHUMI PAINTING** 





**COMPUTER LITERACY** 

**SPORTS** 





TREE PLANTATION

**GROUP DISCUSSSION** 







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Name of Event: Planning and analyzing the reconstruction of Dam

Name of Guests: Member of Rotary Club, Pune

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS),

Participants: NSS Volunteers, Staff, Non-Teaching

No. of Participants: 110

Date: 16 th August 2023

Time: 1:00 pm

Venue: Kalyan village

**Event Report:** 

All India Shri Shivaji Memorial Society's College of Engineering, Pune- 01National Service Scheme had organized a survey for dam construction at Kalyan village. Prog. officer and students participated. The reconstruction project is essential to ensure the dam long-term functionality, safety, and toughness against potential hazards. The purpose of a dam is to impound (store) water for any of survival during summer season when there is scarcity around. The rotary club members and the villagers also associated during the survey on ground. A meeting too was held with the Sarpanch club members discussing the further plan of action and reconstruction of the dam.







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Name of Event: World Week Water (Water and water waste management)

Name of Guests: Hon .Mr.Prashant Walke sir, Course coordinator AISSMSCOE

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers ,Staff ,Non Teaching

No. of Participants: 05

Date: 25 th August 2023

Time: 11:00 am to 1:00 pm

Venue: AISSMS COE, Pune

### **Event Report:**

All India Shri Shivaji Memorial Society, College of Engineering, Pune-01, National Service Scheme unit on 25 August 2023 organized a guest lecture on WATER AND WATERWASTE MANAGEMENT on the occasion of World Water Week. This program was organized by NSS. Students from Chemical Department also participated. The lecture highlighted significance of efficient water management, emphasizing the need for conservation and responsible uses.



The guest lecture was delivered by expert



All the NSS volunteers present in the program





# COLLEGE OF ENGINEERING



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## **LIST OF ACTIVITIES: 2021-22**

Sr No	Activity	Venue	Page No
1	SPPU Covid Vaccination Drive Training	SPPU, Pune	1
2	Gender Sensitization Session	Maharshri Baya Karve Abhyas Kendra	2
3	Gavgada-Gramin Vikas- Energy Conservation	SPPU,Pune	3
4	Fort Conservation	Sinhgad fort	4
5	How to become an entrepreneur	Kalyan Village	5
6	Science Exhibition	Kalyan Village	6
7	National Youth Festival	Online by Ministry of Youth Affairs and Sports and Government	7
8	Symbol of Knowledge	Online Microsoft Team	8
9	Computer Literacy	Kalyan village,Dist Pune	9
10	Cleanliness Drive	Karve Nagar,Pune	10
11	Energy Conservation Survey	Tulapur,,Dist Pune	11
12	Woman Hygiene Importance	Tulapur,,Dist Pune	12
13	My River My Valentine	Pune	13
14	Bird Feeder	Sinhgad Fort	14
15	Value Education Workshop	AISSMS COE	15
16	Tree Plantation	Kalyan Village,,Dist Pune	17









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Name of Event: SPPU Covid Vaccination Drive Training

Name of Guests: Hon. Prabhakar Desai

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 218

Date: 01/09/2021

Time: 10.00 am

Venue: SPPU

**Event Report:** 

AISSMS College of Engineering, Pune National Service Scheme participated in SPPU Covis Vaccination Drive Training in Savitribai Phule Pune University, Pune. Firstly Hon. Prabhakar Desai addressed the gathering and then Doctors and nurses gave scientific reasons behind Covaxin and Covishield Vaccine. Then they gave training on how to give vaccines to all age groups. Around 8 volunteers participated in this training session.

## A glimpse of the Event











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Name of Event: Gender Sensitization

Name of Guests: City Police Officer's

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. of Participants: 300

Date: 25/11/2021

Time: 10.00 am

Venue: Maharshri Baya Karve Abhyas Kendra

Event Report:

All India Shree Shivaji Memorial Society's College of Engineering, Pune- 01 National Service Scheme participated in Gender Sensitization Training Session organized by Savitribai Phule Pune University, Pune and Maharshi Baya Karve Abhyas Kendra, Pune. Dr. N. S. Umrani addressed the gathering and stated some laws about gender equality. Neeta Mam took 5-hour session with physical activity about gender sensitivity. All program officers and volunteers had great interaction with them and they cleared all doubts and aware everyone about what is gender equality.

### Glimpse of the Event











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Name of Event: Gavgada-Gramin Vikas-Energy Conservation

Name of Guests: Rajas Gavas

Name of Coordinator:Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. of Participants: 36

Date: 28/03/2024

Time: 11.00am

Venue: Namdeo Sabhagruha

Event Report:

All India Shree Shivaji Memorial Society's College of Engineering, Pune National Service Scheme volunteers participated in the "Changing Farming System" event organized by Savitribai Phule Pune University, Pune on 28 March 2022. Chief Guest for the program was Mr. Rajas Gavas, a great author. He also published his book named "Gaavgada" at the event. He explained that the main goal of agricultural extension in India has been the transfer of new technologies from researchers to farmers and aware youths about the same. Around 5 volunteers were present for the event. One of the volunteers had a great talk with Gavas Sir on the current scenario of female farmers in India.

#### Glimpse of the Event



NSS Volunteer having a talk with Mr.
Gavas



Volunteers taking Photo with Mr. Rajan Gavas along with Mr. Prabhakar Desai and Dr. N. N. Shejwal







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Name of Event: Fort Conservation

Name of Guests: Dr. N. N. Shejwal

Name of Coordinator: Dr. N. N. Shejwal

Participants: Villagers, students

No. of Participants: 148

Date: 02-03-2022

Time: 10.30 am to 04.30 pm

Venue: Kalyan

**Event Report:** 

On the 3<sup>rd</sup> day of camp, i.e., on 2-3-22, We had to trek to Sinhagad fort. A trek to the auspicious and marvellous Fort Sinhagad, which was very informative and motivational. We had such a motivational lecture by Mr. Manohar Khake, sir. The day began at 5:30 am with an early trek to Fort Sinhagad. The sunrise from the peak was mesmerising and satisfying. We did a cleanliness drive at Sinhagad fort at the place where we were distributed. We all descended till lunch time and all had a fulfilling lunch. After lunch, everyone took a little rest and started to do their assigned work, like painting. We painted the entrance wall of Kalyan village. In the evening, the guest gave an informational as well as motivational session to all students. After dinner, the cultural performance of team Shivallik started and they performed a skit on "Past Raigad and Present Raigad". They also performed dance.

## Glimpse of the Event





While we did a cleanliness drive on Sinhgad Fort.

while two volunteers prepare the colour for painting the wall.









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Name of Event: How to become an entrepreneur

Name of Guests: Mr. DhananjayNarwade

Name of Coordinator: Dr. Prof. N.N.Shejwal

Participants: Villagers and Students

No. of Participants: 100

Date: 6/03/2022

Time: 8.00 am- 12.00 pm

Venue: Kalyan village

**Event Report:** 

On the last day of camp, i.e., on 6-3-22, the programme was initiated by Mr. Dhananjay Narwade to introduce the topic "How to become an entrepreneur." The first thing he said was how to get success in your life and how he succeeded in becoming an entrepreneur. He told us about all the difficulties he faced while starting his business and motivated us with his successful story. In this workshop, NSS volunteer got knowledge about how co-operative sector work





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Name of Event: Science Exhibition

Name of Guests: Mrs. Nandini Jadhav

Name of Coordinator: Dr. N. N. Shejwal

Participants: Students and villagers

No. of Participants: 148

Date: 28/02/22

Time: 10.00 am to 4.00 pm

Venue: Kalyan Village

Event Report:

Our NSS volunteers held a Science Exhibition for the students in which our NSS volunteers showed various science projects to school students. In the evening we had a guest lecture by Mrs. Nandini Jadhav on how superstition is a social curse. All 73 volunteers managed and conducted the programme from their respective fields under the supervision of programme officer Dr. N. N. Shejwal and NSS coordinators. We got a chance to interact with each other on the first day

### Glimpse of the Event











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Name of Event: National Youth Festival

Name of Guests: Ministry of Youth Affairs and Sports, GOI

Name of Coordinator: Dr. N.N.Shejwal

Participants: Student

No. of Participants: 01

Date: 23 February 2020

Time: 7am to 5pm

Venue: Sinhgad Fort, Pune

**Event Report:** 

AISSMS College of Engineering, Pune – 01 National Service Scheme volunteer Samruddhi Sonawane participated in National Youth Festival organised by Ministry of Youth Affairs and Sports and Government od Puducherry. Whole event was on online platform only. Event started by address of Hon. Narendra Modi ji. After that cultural event of all state started. Her excellency Lt. Governor of Puducherry, Hon. Minister, MoYAS, Hon. Education Minister, NYK & NSS and Government of Puducherry officers were present for the inauguration ceremony. For both days, all states performed their cultural using Shri Aurobindo, Ravindranath Tagor, etc.

## Glimpse of the Event





Enthusiastically attended National Youth Festival









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Name of Event: Symbol of Knowledge-02

Name of Guests: Dr. Rajendra Singh (Water Man of India)

Name of Coordinator: Dr. N.N.Shejwal

Participants: NSS volunteers and community

No. of Participants: 218

Date: 11<sup>th</sup> June 2021

Venue: Microsoft Teams

Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit oraganized 2<sup>nd</sup> session of "Symbol of Knowledge". The session started with greeting and welcome of the Chief Guest Dr. Rajendra Singh Sir, Principal Dr. D.S. Bormane Sir, P.O. Dr. N.N. Shejwal Sir, H.O.D,s, Faculty members and all the audience. Then the host invited Program Officer Dr.N.N. Shejwal Sir and Principal Dr. D.S Bormane Sir to speak few words. The host then introduced our Chief Guest Dr. Rajendra singh. The host then enlightened the audience with his work and his contribution. Dr. Rajendra singh explaining the indications of third world war for water. He also elaborated the story of Tarun Bharat Sangh's work of water conservation. He also stated "WATER IS CLIMATE AND CLIMATE IS WATER". Then there was a Question and answer session to which the audience gave various responses. With all the answers satisfying the audience the session come to an end and vote of thanks was given. The session concluded with capturing the moment.











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Name of Event: Computer Literacy

Name of Guests:

Name of Coordinator:

Participants:

No of Participants: 56

Date: 24/09/2021

Venue: ZP School, Kalyan

**Event Report:** 

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme has conducted a Computer Literacy session for school students at ZP School, Kalyan, Tal. Haveli, Dist. Pune The purpose of this study was to investigate students' perceptions of computer literacy skills they had obtained prior to enrolling in a university and to develop implications and recommendations for teaching a college-level computer course. Students were asked to identify their skill level in various types of software and their exposure to computer concepts and issues In our contribution we focused on finding out the information and computer literacy of high school students. Many of them were familiar with the computer and the parts. Even they knew a little about the software part of the computer. We found that the main activity of students on the internet is the search for information (e.g. themes on essays, complementary information to the curriculum...). It means that computer literacy of students is improving









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Name of Event: Cleanliness Drive

Name of Guests: Hon. Rajesh Dimble

Name of Coordinator: Dr. N. N. Shejwal

Participants: NSS Volunteers and villagers

No. of Participants: 15

Date: 24 September 2021

Venue: Kalyan village, Pune.

**Event Report:** 

All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit on 24<sup>th</sup> September 2021, visited Kalyan village, Pune. Our NSS volunteers initiated a cleanliness drive, cleaned the area around the school, a temple of the village was performed. Collection of waste plastic bags and other waste was done from these places. NSS volunteers participating in the activity followed all safety measures in the Covid-19 era and also contributed to keeping the surroundings clean and hygienic.













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Name of Event: Energy Conservation Survey

Name of Guests: Ms. Gunfa Ingale

Name of Coordinator: Dr. N. N. Shejwal

Participants: 36

No. of Participants: 15

Date: 13 /10/2021

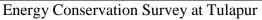
Venue: Tulapur, Dist.Pune

**Event Report:** 

All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme volunteers organized Energy Conservation in Tulapur village. The main motive of the Energy Conservation Survey was to provide useful information about electrical appliances, spread awareness of safety related to appliances. So this activity was done by students of the electrical department. All NSS volunteers visited the villagers house to give the proper information about electrical appliances and spread safety awareness of it house to house. All villagers were happy to know about safety measures related to this appliance. Mr. Parag Mate and Mr. Raj Dekhmukh visited Tulapur village.

#### A glimpse of the Event







Spreading awareness of safety appliances







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Name of Event: Woman Hygiene Importance

Name of Guests: Ms. Gunfa Ingale

Name of Coordinator: Dr. N. N. Shejwal

No. of Participants: 36

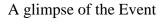
Date: 13/10/2021

Venue: at Tulapur village, Pune

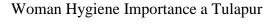
#### **Event Report:**

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit on 13 October 2021 conducted an activity on Women Hygiene Importance at Tulapur village, where NSS volunteers interacted with the women of the village. Mr. Parag Mate and Mr. Raj Dekhmukh had visited Tulapur village. We provided information to women of Tulapur village like: Poor intimate hygiene can affect your sex drive, cause fertility issues and some infections begin from your privates but slowly spread to the entire body which can be fatal.

- Many people link intimate hygiene with women, but keeping your privates clean and healthy is equally important for men.
- Washing hands regularly is the single most important hygiene step in fighting the spread of bacteria and other germs. Keeping hands clean is one of the most efficient ways to fighting the spread of bacteria and other germs









Interaction with speaker









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Name of Event: My River My Valentine

Name of Guests: Hon. Asha Raut

Name of Coordinator: Dr. N.N.Shejwal (P.O.NSS)

No. of Participants: 1367

Date: 13/02/2022

Time: 11:00 am

Venue: Pune City

Event Report:

A large number of volunteers from 26 colleges and other organizations in Pune had participated in the initiative. A clean-up operation was carried out by all the volunteers on 11 *Ghats* on the Mula-Mutha river in Pune city. A large number of citizens participated in the event. More than 2 tons of waste was collected from 11 ghats.

After the cleanliness drive, everyone gathered near Bhide bridge at 11 am. Rajesh Pandey who is the head of Samarth Yuva Foundation with all the students took a pledge of cleanliness. Successfully collected and bifurcated of garbage in 2 hours 4 hours and handed over to PMC.

## A glimpse of the Event





Active participation of volunteers in My river My Valentine.









Name of Event: Bird Feeder at Sinhgad fort

Name of Guests: Dr. N. N. Shejwal

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

No. of Participants: 15

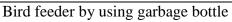
Date: 03/04/2022

Venue: Sinhgad fort, Pune

Event Report:

On April 3, 2022, NSS volunteers from AISSMS COE Pune-01 visited Sinhgad Fort and cleaned the region around it. A lot of waste was collected in the areas which consisted mostly of plastic bottles, wrappers, paper etc. The volunteers reuse the plastic bottles that were discovered while cleaning the historic site. The rest of the waste collected was disposed of accordingly.







While placing Bird Feeder on the tree









Name of Event: Value Education : Personality Development

Name of Guests: Hon. Mitesh Ghatte, Mrs. Asha Raut

Name of Coordinator: Dr. N.N.Shejwal (P.O.NSS)

No. of Participants: 110

Date: 29/03/2022

Venue: AISSMS COE, Pune

Event Report:

On Tuesday, 29<sup>th</sup> March 2022 we have organized one-day workshop on VALUE EDUCATION: PERSONALITY DEVELOPMENT at AISSMS College of Engineering, Pune in Seminar Hall, Room No.404. This workshop started at 10:00 am. In this workshop volunteers from different college were involved. After volunteers were arrived they got refreshments at first. Then we had inauguration in E&TC SEMINARHALL, AISSMS College, Pune. This workshop was divided in three sessions. In first session we got motivational lecture by Hon. Aasha Raut. she told her story behind this successful life. From her story we got to know that personality development is the most important thing for a successful life.





Description: While Hon. Aasha Raut mamgiving her motivational speech.

After that we had session with Hon. Mithesh Gatte sir. He gives us such important life lessons by his speech. We blessed to have such well known person for this workshop. He motivates us by dronachrya story. He taught us how important value education now.











Description: While Hon. Mitesh Gatte sir inspiring us by his speech. Workshop

This workshop is ended by the most entertaining session by Mrs. Rashmi Singh mam. Students had great interaction with her. We got to learn so many things which will help us in future. She has such friendly nature that's why we had two way communication with her.





Description: While Mrs. Rashmi mam having great interaction with students.









Name of Event: Tree Plantation

Name of Guests: Shri. Rajesh Dimble

Name of Coordinator: Dr. N.N.Shejwal (P.O.NSS)

No. of Participants: 148

Date: 24/09/2021

Venue: AISSMS COE, Pune

**Event Report:** 

All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, National Service Scheme unit on 24th septeber 2021, visited Kalyan village, Pune. Our NSS volunteers initiated Tree Plantation drive. Required equipment's were provided by the villagers. Proper survey of plant locations was performed with the help of locals and tree plantation was successfully completed under the presence of of Sarpanch Shri. Rajesh Dimble, other former members of Gram panchayat, Medical Officers, Principal Dr. D. S. Bormane Sir, Pragramme Officer Dr. N. N. Shejwal Sir. Around 10 saplings were planted and villagers were made aware of importance of the plants and to take care of them. Volunteers participating in the activity followed all safety measures in Covid-19 era and contributed towards protection of our environment

#### Glimpse of the Event







### COLLEGE OF ENGINEERING



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Dr.D. S. Bormane

Principal



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### **LIST OF ACTIVITIES: 2020-21**

Sr No	Name of Activity	Venue	Page No.
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		University, Pune	
02	World Environment Day	Online	2
03	Tree Plantation	Online	3
04	Spitting Kills Campaign	National -online campaigns	4
05	Be Your Own Lakshmi (Webinar)	Online	5
06	Be Vocal Buy Local	Local Place	6
07	World AIDS Day (Awareness Drive)	Online	7
08	Human Rights Day	Online	8
09	Krishi Pragati Karan Ani Badal(Webinar)	Online	10
10	Pledge- Majhi Vasundhara	Online	11
11	Health Check-up Camp- Kalyan	Kalyan Village	12
12	Women Literacy- Kalyan	Kalyan Village	13
13	Mask Distribution- Kalyan	Kalyan Village	14
14	Corona Awareness- Kalyan	Kalyan Village	15
15	Best out of Waste Competition- Paste reduction.	Online	16
16	Road Safety Program	Deccan, Pune	17
17	Pulse Polio Campaign	Sangavi, Pune	18
18	Tree Plantation Drive	Institute campus	20







## AISSMS COLLEGE OF ENGINEERING SIGHT REPORTERING



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Name of Event: Global Level Poster Making Competition

Name of Guests: Dr. Shivaji Pacharne

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 123

Date: 5<sup>th</sup> June 2020

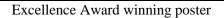
Time: 10.00 AM

Venue: Savitribai Phule Pune University, Pune

**Event Report:** 

Savitribai Phule Pune University, Pune in collaboration with All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01 National Service Scheme unit organized a Global Level Poster Making Competition. As we are aware about the situation we are going through, it was very important to create awareness regarding COVID-19 and make people aware about the rules and safety precautions related to COVID-19. And taking a poster making competition was an initiative from our NSS unit. The poster making competition got huge response of participants was witnessed, not only young but also elderly people showed interest in huge amount.







One of the Poster made by a Participant





## AISSMS COLLEGE OF ENGINEERING SIGHT REPORTS



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Name of Event: World Environment Day

Name of Guests: Hon. Chandrakant Jiwade

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 32

Date: 5<sup>th</sup> June 2020

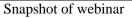
Venue: Online

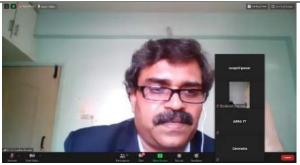
Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit conducted a webinar on the occasion of World Environment Day. The Chief Guest made us aware and encouraged us about the actions for the protection of the environment. Then our audience asked some question to our Guest and it was very interactive and intellectual session for everyone. The host expressed gratitude towards our chief guest, principal and our program officer, the staff and the students for gracing the webinar. Before concluding we captured this wonderful moment.

### **Photos:**







Shivaji Pacharne sir during Webinar





## AISSMS COLLEGE OF ENGINEERING ज्ञानम सकलजनहिताय



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Name of Event: Tree Plantation

Name of Guests: Hon. Chandrakant Jiwade

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 32

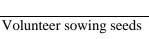
Date: 5th June 2020

Venue: Online

### Report

On the occasion of World Environment All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit also organized a tree plantation program and the NSS volunteers did an enthusiastic participation in the activity. They were said to plant a sapling in their nearby area without breaking any rules related to Covid-19.







Volunteer planting trees





## AISSMS COLLEGE OF ENGINEERING ज्ञानम सकलजनहिताय



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Name of Event: Spitting Kills

Name of Guests: Hon. Kishanrao Tondchore

Name of Coordinator: Dr. Nana N Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 150+

Date: 25th June 2020

Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit participated in "Spitting Kills Campaign" and created an awareness regarding "SPITTING KILLS".

Experts have determined that spitting spreads the virus and chewing tobacco, gutkha, etc. causes an urge to spit, our NSS unit has created awareness among 6000+ people by telling them to take pledge regarding the same and still the campaign is in progress. This is an initiative taken to avoid the spread of Covid-19 due to spitting.

AISSMS College of Engineering Pune has received an appreciation letter on the behalf of "Pledge for Life" team for supporting the campaign.













Name of Event: Be Your Own Laxmi

Name of Guests: Shikha Mittal

Name of Coordinator:

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 205

Date: 27/11/2020

Time: 2:00 pm-3:00pm

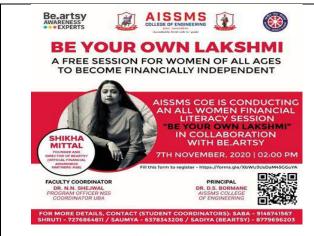
Event Report:

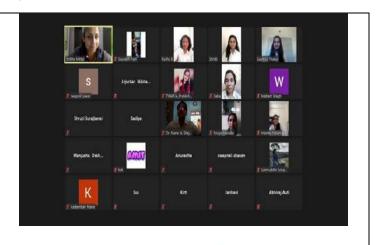
All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit conducted a webinar on women empowerment through financial literacy. Even in the 21<sup>st</sup> century, India is still seen as a male dominated country. Even today, females are worshiped as Lakshmi by everyone but aren't financially literate, to help women manage their home as well as their finance. Money is an important part of financial freedom. The end goal is freedom and, 'stable finance brings freedom.

Webinar started and our Principal Dr. D.S. Bormane Sir and our Program Officer Dr. N.N. Shejwal Sir spoke a few words and welcomed our Guest of honor Miss Shikha Mittal.

Then our host introduced our Chief Guest Miss Shikha Mittal ma'am, the founder and director of Be. Artsy, a non-profit social awareness enterprise that leverages the power of art to influence positive social impact.

In all it was a great session which proceeded to the future where our Chief Guest addressed our audience where ma'am taught them about the importance of financial literacy and financial freedom. She shared with us the golden rule for being financially stable which is 3/3=1. Basic concepts regarding finance were clear. Our audience then asked a few questions and they were answered very satisfyingly by our guest of honor. It was a really interactive session and was helpful for each and every audience.











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सकलजनहिताय

Name of Event: Be Vocal Buy Local

Name of Guests: Hon. Jayashri Kumbharde

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 50

Date: 09 Nov 2020

Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unitheld an event titled "Be Vocal Buy Local", held for 6-7 days.

Diwali, the festival of lights, is a celebration that marks the victory of good over evil, light over darkness, knowledge over ignorance. Diwali is celebrated all over communities of India, creating a homogenous environment of goodwill and happiness. It is a time for both, gratitude and gaiety. So this year our NSS team had thought to celebrate this Diwali Eco-friendly & to work this idea we organize an event for preparation of this event we had arranged 3-4 meetings. This Diwali 2020 we made a difference & took initiative to make difference by helping Local Vendors by buying Local Products to motivate everyone to buy local. Our volunteers had made a short video on the occasion of Diwali.Celebrating Diwali is not just about bursting Fire Crackers and eating Diwali's special snacks (Faral), but to light the life of others and fill it with joy and happiness. Firing/bursting crackers leads to Pollution which is harmful for both Nature as well as humans. The ratio of economy of people states that there numerous people who has very less economy and within that it's hard to manage the regular necessities and for them Diwali seems to be as a forbidden fruit. So why not, everyone contribute a little amount for their happiness. So our NSS team decided to do some dedication to our Society.











Name of Event: World AIDS Day

Name of Guests: Hon. Vrushali Gadhave

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

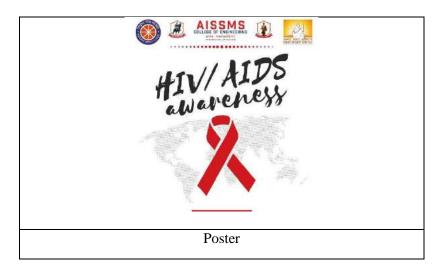
No. Participants: 11

Date: 1st December 2021

**Event Report:** 

All India Shri Shivaji Memorial, College of Engineering, Pune-01, National Service Scheme unit made the awareness activity by sharing the poster regarding World AIDS Day. The purpose conduct the activity was to make people aware regarding AIDS and create an importance of taking safety measure regarding the same and also made clear regarding the myths of AIDS

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Name of Event: Human Rights Day

Name of Guests: Hon. Dilip Ghorpade

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 20

Date: 07/12/2020

Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unitinitiated a one week awareness drive on the occasion of Human Rights Day, in order to create awareness and provide knowledge regarding some of the Human Rights.

One week awareness drive was held and daily a video was posted and shared, created by our NSS volunteers to make them understand the importance, provide significant knowledge regarding some of the common human rights.

The video was prepared after tons of research made by our NSS volunteers, so that it doesn't send any false information regarding the same.

#### Volunteers list who participated in the video:

Day	NSS Volunteers	Topic	Date
01	Shreya Karandikar	Right to Equality	10/12/2020
02	Saba Syed & Tanaya Jagtap	Women Rights	11/12/2020
03	Mahant Wagh	Freedom of Expression	12/12/2020
04	Gagandeep Kour	Right to Education	13/12/2020
05	Saumya & Abhishek Chavan	Right to Life	14/12/2020
06	Abhilash Yadnik & Uday Gaikwad	Children Rights	15/12/2020
07	Shrungal Kulkarni	Right to Information	16/12/2020



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Video Snapshots of volunteers who participated in video.







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Name of Event: Krishi Pragati Karan Ani Badal

Name of Guests: Dr. Manohar Khake

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 122

Date: 26/12/2020

Time; 11:00 am - 12:00 pm

Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme uniton the occasion of Farmers Day, held a webinar which was witnessed by Chief GuestDr. Manohar Khake Sir, Principal Dr.D.S. Bormane Sir, Prof. N. N. Shejwal Sir, AISSMS and other college lecturers, 122 participants joined us on this occasion which was organized on Microsoft teams, an online platform. Along with the protection of our soldiers, Farmers are considered the backbone of our country. We know farmers are very important as they are the ones who provide us with the nutrition n healthy food that we eat. Nearly 70% of the rural household depend on the farming, with around 82% farmers being small n marginal. As per 2018, agriculture employed more than 50% of the Indian work forces and contributed 17-18% to country's GDP. Certain years ago, there was a shift from traditional farming to farming with chemicals and pesticides. India was gravely short of foodgrains, and this agricultural shift came in handy. With massive inputs of chemical fertilisers, pesticides and water, high crop yields were achieved. The purpose of holding the webinar was to know the importance of Organic Farming. Considering issues of health and economy in the modern world, organic farming will prove to be a viable option for every consuming human and the producing farmers as well. Webinar started at 11am. Our host introducted the event and asked our Program Officer Dr. N.N. Shejwal Sir and Principal Dr. D.S. Bormane Sir to welcome our Chief Guest. They also gave information about Dr. Khake's book, 'Matiche Swarup Ani Sendriy Khate' and added few words regarding 'Unnat Bharat Abhiyan'. Then our host introduced our Chief Guest to the audience and requested them to address the crowd. Then Dr. Manohar Khake Sir, with his immense knowledgeable words, started discussing his ideas with Students. He put froth his concept of 'Air Irrigation'





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Name of Event: Majhi Vasundhara Pledge

Name of Guests: Hon. Suresh Bhosale

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 150

Date: 12/01/2021

Time: 1-2pm

**Event Report:** 

All India Shri Shivaji Memorial Society's College of Engineering, Pune-01 National Service Scheme unit conducted an awareness among the students regarding De-addiction of tobacco, how its harmful for body and also now in such pandemic situation we also made them aware that spitting tobacco may lead to spread of diseases. As due to pandemic situation there weren't large number of students, among few individuals this activity was performed successfully and according to COVID-19 rules and regulations.









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Name of Event: Health Check-up Camp- Kalyan

Name of Guests: Shri. Rajesh Dimble (Sarpanch)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 142

Date: 12/01/2021

Time; 12:00 am to 4:00 pm

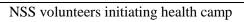
Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unitgave the pre-information about Health Check-up Camp to all the villagers. The main moto of health check-up camp was to administer health assessment, spread health awareness and provide health counselling. In such a pandemic situation it's very important to take care of our health. So, our Principal Dr. D. S. Bormane Sir & Prog. Officer Dr. N. N. Shejwal Sir also motivated the villagers to do their Health Check-up.

A health check-up camp had been set up in Kalyan (Pune) by NSS volunteers. Body-Temperature, Oxygen-level, was checked on every patient before getting the check-up. In the camp, proper medical treatment of the villagers and remedial measures were provided, all free of cost, including the basic medicines required for an early recover. Our NSS volunteers took down the details of the people who came for this health check-up. Villagers shared their problem with doctor & got the best treatment from them. NSS volunteers encouraged the villagers to do simple activities on a regular basis to get rid of the excessive body pain. Majority of the people were suffering from body pain, swelling, cough, fever, weakness.

Great response was observed from the villagers,142 villagers were willing to check their physical health.







Health camp glimpses





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Name of Event: Women Literacy

Name of Guests: Shri. Rajesh Dimble (Sarpanch)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 21

Date: 15/01/2021

Time; 10.30 am

Event Report:

All India Shri Shivaji Memorial Society's ,College of Engineering, Pune-01, National Service Scheme unit on 15<sup>th</sup> January, 2021 conducted activity on Women Literacy at Kalyan village, where NSS volunteers interacted with the women's of the village.

During the interaction the following points were observed:

- The women in the age group of 50-70 are mostly illiterate. Few of them are familiar with basics of language (Marathi) like alphabets & numbers.
- The women in the age group of 30-50 were mostly educated upto primary school or secondary school. There were a very few of them educated upto higher secondary school.
- The age group below 20-30 included women's almost educated many of them were educated uptill higher secondary & so on, in which few of them do some job.
- The rest were school going girls.



Volunteers Creating awareness amongst the women regarding importance of education.



Volunteers go door-door to create awareness regarding importance of education.





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Name of Event: Mask Distribution

Name of Guests: Shri. Rajesh Dimble (Sarpanch)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 21

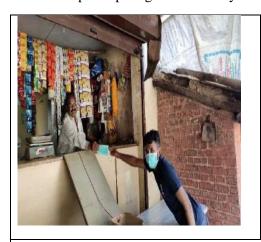
Date: 15/01/2021

Time; 10.30 am

Event Report:

All India Shri Shivaji Memorial Society's ,College of Engineering, Pune-01, National Service Scheme unit on Thursday 15th January 2021, visited Kalyan village, Pune. Our NSS volunteers distributed masks to the villagers and told them the importance of wearing the masks in this pandemic situation. Distribution of masks was initiated in the inaguaration under the presence of Sarpanch Shri. Rajesh Dimble, other former members of Gram panchayat, Medical Officers, Principal Dr. D. S. Bormane Sir, Programme Officer Dr. N. N. Shejwal Sir, 100+ masks were distributed to the villagers.

Volunteers participating in the activity followed all safety measures in Covid-19 era.







Volunteers distribute mask to the villagers and make them aware about importance of wearing it in this pandemic situation.







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Name of Event: Corona Awareness

Name of Guests: Shri. Rajesh Dimble, Dr. D. S. Bormane Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 21

Date: 15/01/2021 Time; 11.30 am Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit carried out Covid-19 Awareness Program in Kalyan, Tal. Haveli, Dist. Pune on Friday 15th Jan 2021 under presence of Sarpanch Shri. Rajesh Dimble, other former members of Grampanchayat, Medical Officers, Principal Dr.D.S.Bormane Sir, Pragramme Officer Dr. N. N. Shejwal Sir. NSS volunteers of AISSMS College of Engineering, Pune-01 visited more than 150 villagers & created awareness regarding COVID-19. Our Principal Dr. D.S.Bormane sir & Programme. Officer Dr. N. N. Shejwal Sir also created awareness regarding COVID-19 among the villagers.

Creating awareness regarding the safety precautions to be carried out during such pandemic situation: - Our volunteers told them to avoid close contact with sick people.

Disinfect regularly used objects, wash your hand using soap & water, use an alcohol-based hand sanitizer while going outside. Don't visit crowded places and be around people who are unwell.

Cover your mouth while coughing. If you found any symptoms of COVID-19 then call on helpline number otherwise visit your nearest hospital.

Maintain Social Distance (2 ft). Always wear your mask while going outside.





Creating awareness regarding COVID-19 under presence of Sarpanch Shri. Rajesh Dimble, Principal Dr.D.S.Bormane Sir, Programme Officer Dr. N. N. Shejwal Sir and NSS volunteers.







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Name of Event: Best out of Waste Competition- Paste reduction

Name of Guests: Hon. Pooja Bhosale

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 10

Date: 15/01/2021

Time; 11.00 am

**Event Report:** 

All India Shri Shivaji Memorial Society's ,College of Engineering, Pune-01, National Service Scheme unit organized an online "Best out of waste" competition, for awareness of plastic reduction for about 3 days from 15<sup>th</sup> January 2021 to 18<sup>th</sup> January 2021.

To make this point clear in mind of youths, the participants were asked to make crafts from waste material reusing plastic i.e. plastic element was compulsory. This bought up various ideas to reuse plastic, around 10 participants were observed.

There were numerous participants from which three winners were selected which are:

- 1. 1<sup>st</sup> Position- Neha V. Pawar Lamp
- 2. 2<sup>nd</sup> Position- Neeraj V. Mahajan Sanitizer
- 3. 3<sup>rd</sup> Position Bhavini Tak Water Fountain

The winners were felicitated with certificate and the rest participants were provided with certificate of participation.









Model's participants created from plastics.







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Name of Event: Road Safety Program

Name of Guests Hon. Ghavate Sir

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 17

Date: 26/01/2021

Time; 09:00 am

Event Report:

On the occasion of Republic Day, All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, NSS Unit organized an activity named Road Safety Program at Deccan area at 09.00 am. There were 17 NSS volunteers created awareness regarding road safety and traffic rules, regulation in the program in presence of our Principal Dr. D.S. Bormane Sir, Programme Officer Dr. N.N. Shejwal Sir and All Department HOD's. The activity was conducted under the guidance of Deccan Branch traffic police.

The NSS volunteers were holding the posters about road safety on the signal to spread the awareness. Also appreciation of the people who wore the Helmet and followed other road safety rules was done. Some individuals were very much influenced with the awareness program we organized and conveyed us that we will do our bit for our nation. These responses was our achievement in conducting the activity.







NSS volunteers create awareness regarding road safety.

Name of Event: Pulse Polio Campaign







Name of Guests Hon. Chief Guest Usha (Mai) Dhore, Mayor Pimpri-Chinchwad.

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 20

Date: 31/01/2021 to 02/02/2021

Time; 08:00 am to 02.00 PM

Location; Indira Gandhi Maternity Hospital, Old Sangavi, Pimpri-Chinchwad

### Event Report:

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme unit contributed towards the Polio Vaccination Drive which started from 31st January, 2021. On 1st February, 2021 there was a small inauguration held at Indira Gandhi Maternity Hospital, Old Sangavi, Pimpri-Chinchwad under the presence of Hon. Chief Guest Usha (Mai) Dhore, Mayor Pimpri-Chinchwad regarding Polio Vaccination, they explained the importance of Polio Vaccination amongst the people and also they appreciated all the hospital staff and the volunteers who provide a helping hand whenever needed. Our volunteers carried out the activity for 2 days on 1st and 2nd February 2021. Also our NSS volunteers at their place visited the nearest both and helped the clinical staff regarding the same. Nearly 4500 individuals were vaccinated, our volunteers also had door to door approach to check whether the people have vaccinated their child and also made them aware that the polio vaccination has been started and also explained,











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NSS volunteers vaccine the children at booth.



NSS volunteers approach to door to door for vaccination purpose.









Name of Event: Tree Plantation Drive

Name of Guests: Hon. Swati Jiwade

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 05

Date: 26/04/2021

**Event Report:** 

All India Shri Shivaji Memorial Society's, College of Engineering, Pune-01, National Service Scheme had conducted Tree Plantation Drive on the occasion of Tree Plantation Day. As due to Covid situation there were restrictions to gather around, individuals were asked to plant a sapling in their area. The moto to conduct the activity was to make people aware about todays need to protect our environment.

#### **Photos:**











### **LIST OF ACTIVITIES: 2019-20**

Sr No	Activity	Venue	Page No.
1	Guinness World Record (Tree Plantation Program)	SPPU, Pune	1
2	Seva Project (CP Office)	CP office, Pune	2
3	Blind People Election	Blind Association Maha	3
4	Jagruti group (Collection Drive Kolhapur)	Jagruti NGO	4
5	Mula -Mutha Cleanliness Drive	SPPU, Pune	5
6	Shahakar Gramin Vikas	SPPU, Pune	6
7	Sinhagad Fort Cleaning	SPPU, Pune	7
8	Street Play Competition	SIT, COE, Pune	10
9	De-Addiction	Govt of India	11
10	Chh. Shahu Maharaj State Level Street Play Competition	AISSMS COE and SPPU	14
11	Road Safety Program	Road Safety Program, Deccan	17
12	Energy Sever Award Program at ZP School, Kondhanpur	ZP School, Kondhanpur	18
13	Tobacco Rally, Shaniwarwada	Shaniwarwada	20









Name of Event: GUINNESS WORLD RECORD OF TREE PLANTATION

Name of Guests: Hon. Chh Malojiraje Bhonsale.

Name of Coordinator: Dr. N.N.Shejwal (P.O.NSS)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. Participants: 442

Date: June 23, 2019

Time: 10.00 am

Venue: SPPU

Event Report:

The sampling of Kadulimb was collected from the university after the largest sampling distribution program, which makes the GUINEESS WORLD Record. The sampling has been planted in the college premises during the wari period. Total 20 sampling have been planted in the college campus in presence of principal and NSS volunteers and security guard people. This will help to reduce the global warming and will save the environment and enrich the pleasantness the campus.

#### Photos:













Name of Event: Seva Project

Name of Guests: City Police Officer's

Name of Coordinator: Dr. N.N.Shejwal (P.O.NSS)

Participants: Teaching, Non-Teaching Staff and Volunteers

No. of Participants: 14

Date: 17/7/2019 to 22/7/2019

Time: 10.00 am

Venue: CP Office, Pune

Event Report:

From Day 17/07/2019 to 22/07/2019 Our AISSMS College Engineering Pune, National Service Scheme Volunteers taken one step forward to give contribution in such a Nobel activity "Seva project". The main objective of this Seva project is to take feedback of residents within seven days of their visit to any of offices and knowing whether their issues are resolved or not. Our volunteers had made many phone calls and received feedbacks also they had helped Police to learn technical tools to make their work easy like Google forms, XI sheet for data storage and segregation.

### **Photos:**















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Name of Event: Blind People Election

Name of Guests: Dr. D.S. Bormane

Name of Coordinator: Dr. N. N. Shejwal

Participants: Blind people of Maharashtra

No. of Participants: 25

Date: 18/8/19

Time: 7.30 am to 4.00 pm

Venue: SSPMS Campus by Bild Association Maharashtra

### Event Report:

On the day 11/08/2019 our AISSMS College Engineering Pune, National Service Scheme Volunteers taken one step forward to do Volunteer ship in Blind people election. The election was conducted by Bild Association Mahaat SSPMS Campus, Pune. Our NSS volunteers helped organizing team various work such as registration desk, Helping Blind people to address towards Voter Booth and hospitality.

#### **Photos:**



















Name of Event: Kolhapur Floods Help

Name of Guests: Dr. D. S. Bormane

Name of Coordinator: Dr. N. N. Shejwal

Participants: Flood affected community at Kolhapur

No. of Participants: 20

Date: 11/08/19 – 12/08/19

Time: 10.30 am to 04.30 pm

Venue: Sakharsankul, Shivajinagar Pune-01

Event Report:

As we all are aware about natural disaster (flood) in Sangli- Kolhapur district which are adversely affected. In this context, Jagruti Group Pune Unit extends a helping hand to the flood affected people by collecting and transporting the required essentials to them. On this Nobel contribution AISSMS college of engineering Pune, National Service Scheme unit extends their helping hand to collect things, Packets preparation and transportation to the needy areas in flood affected region in Kolhapur. Around 18 to 20 trucks of required things have transportation in Kolhapur.

Following are the required things which were collected:-

- 1] Packed food items.
- 2] Old clothes, blankets.
- 3] Medicines, sanitizers, sanitary napkins, etc.

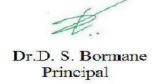
#### **Photos:**





Photos with Jagruti Group Members and Pune Police











Name of Event: Mula Mutha Cleanliness Drive

Name of Guests: Shri. Parag Mate

Name of Coordinator: Dr. N. N. Shejwal

Participants: Worship foundation, We Punekars, Jagruti, NSS, SPPU

No. of Participants: 100

Date: October 02, 2019

Time: 8.00 am- 12.00 pm

Venue: Omkareshwar Bridge

Event Report:

On the occasion of 150th anniversary of Mahatma Gandhiji the "Clean Moment of Mula Mutha River" is organized by "We Puneker's" and "Jagruti Group Pune". Our AISSMS College of engineering Pune, National Service Scheme Unit has participated in this moment on 2<sup>nd</sup> Oct, 2019. The plastic garbage and other filth were cleaned by the NSS unit. 100 volunteers of NSS unit taken initiative to clean our rivers. Our unit is had worked at location near Balgandharv at Omkareshwar Bridge.

### **Photos:**





**During the cleaning in Riverside** 









Name of Event: Sahakar Chalvalitun Gramin Vikas

Name of Guests:

1) Ex-mayor Hon. Ankush Kakade.

2) Hon. N.S. Umarani

3) Hon. Rajesh Pandey

4) Ex-co-operative minister Hon. Harshvardhan Patil

5) Hon. Parag Kalkar

Name of Coordinator: Dr. N. N. Shejwal

Participants: NSS Volunteers

No. of Participants: 8

Date: 22 Feb 2020

Time: 10.00 am to 4.00 pm

Venue: Sant Dnyaneshwar Auditorium, SPPU Campus

Event Report:

The basic definition of Sahakar in english a cooperative (also known as co-operative, co-op, or coop) is "an autonomous association of persons united voluntarily to meet their common economic, social, and cultural needs and aspirations through a jointly-owned enterprise" [1] Cooperatives may include businesses owned and managed by the people who use their services (a consumer cooperative)

- organizations managed by the people who work there (worker cooperatives)
- multi-stakeholder or hybrid cooperatives that share ownership between different stakeholder groups. For example, care cooperatives where ownership is shared between both care-givers and receivers. Stakeholders might also include non-profits or investors.
- second- and third-tier cooperatives whose members are other cooperatives
- platform cooperatives that use a cooperatively owned and governed website, mobile app or a protocol to facilitate the sale of goods and services.

In this workshop, NSS volunteer got knowledge about how co-operative sector work, how it is beneficial to our Rural development& Society from Experience Lectures Session schedule is given below.







Name of Event: Sinhgad Fort Conservation Campaign

Name of Guests: Dr. Nitin Karmalkar

Name of Coordinator: Dr. N. N. Shejwal

Participants: NSS Volunteers

No. of Participants: 20

Date: 23 February 2020

Time: 7am to 5pm

Venue: Sinhgad Fort, Pune

Event Report:

As we all are aware about the current situations of forts in Maharashtra, NSS-SPPU organized 'Fort Conservation Campaign' which was started from Sinhagad Fort in Pune on the occasion of "Sant Gadgebaba Jayanti " . Around 1300 NSS volunteers from different colleges affiliated to SPPU have participated in this campaign. Travelling from our respective colleges to Sinhgad Payatha and after a hard trek of 2 hours we reached to the top of the fort. We arrived to specified location on the fort where all volunteers were addressed by The Vice Chancellor of SPPU Dr. Nitin Karmalkar, Director of NSS-SPPU Prabhakar Desai Sir and other important persons related to this particular activity. For motivation of volunteers a small cultural program was also arranged which was including the Maharashtrian Folk Music named as "Powada" in which narration of historical events related to Chhatrapati Shivaji Maharaj take place. After listening to such energetic Powada and some refreshment we were divided into groups provided with all safety mask, hand gloves and bags, started our work.





#### **Activities:**

1) Our volunteers helped the organizer team of SPPU in transporting the meal boxes to the given location.











2) Cleanliness drive was done successfully. We collected all plastic garbage from all possible places on fort. Director of NSS-SPPU Prabhakar Desai Sir has appreciated our dedication towards work.









3) Along with volunteers from other college we took pledge for "Tobacco Free India".









4) In this campaign, we had interactions with locality people near that fort and realized the importance of Fort Conservation and its Importance . Hence we decided to come again on this fort and also some other forts in future.













Name of Event: Street Play Competition at SIT COE, Pune

Name of Guests: Dr. Prabhakar Desai

Name of Coordinator: Dr. N. N. Shejwal

Participants: State level Volunteers

No. of Participants: 12

Date: 09/02/2020

Time: 5pm to 10pm

Venue: SIT, COE, Pune

Event Report:

AISSMS College of Engineering Pune, National Service Scheme NSS Volunteer had Taken Part in the street play competition which is organized by SIT college of Engineering Pune. Our college team performed good act in competition which is a shadow act named as "Prem Mhanaje kay?". Unfortunately, we couldn't get prize, but we received something great than the prize that is appreciation by the audience in the form of standing ovation on the final moment, when it was the scene about Indian soilders fighting against terrorists. In this way, we returned to our college along with great experience and also knowing what we need to improve. Time schedule:

SR.	Time	Action
No		
1	12.30 pm	Left from the college
2	2.00 pm	Reached at the competition and done with registration for the competition
3	5.00 pm	Competition Started
4	8.30 pm	Act performed by our team

### **Photos:**







Participation Certificate









Name of Event: One Day Workshop on De-addiction

Name of Guests: Dr. Anil Avachat, Dr. Vilas Ugale, Mr. Mangesh Kurlekar, Dr. Manisha Bora

Participants: NSS Volunteers

Name of Coordinator: Dr. N. N. Shejwal

No of Participants: 20

Date: October 04, 2019

Time: 10.00 am to 5.00 pm

Venue: AISSMS campus

**Event Report:** 

Addiction is the term given to a pattern of behavior that causes negative consequences for the individual. Most people assume that addiction refers only to those who have a compulsive need for a particular substance such as alcohol or drugs. However, in reality, it is possible to become addicted to almost anything. To be clear, this condition occurs when a person continues to do something despite knowing that it will have an adverse impact on his or her life. Because of the various causes and triggers, there are many different types of addictions. According to the Magnitude of Substance Use in India report submitted by the National Drug Dependence Treatment Centre of the All-India Institute of Medical Sciences to the Ministry in February this year, 1.3% of children between 10 and 17 years reported current use of alcohol, 0.9% reported use of cannabis, 1.8% reported use of opioid and 1.17% reported use of inhalants. According to the 2017 report by United Nations Office on Drugs and Crime (UNODC), 255 million people worldwide use illicit drugs, of which 29.5 million suffered from drug use-related disorders. So, it is necessary to spread awareness about addiction and its drawbacks over the young generation. In this context, NSS volunteer had taken a lead and extended the helping hand to manage and support De-addiction workshop. The workshop Schedule is given in following table.

### **Programme Schedule**

1 1 Si umme Senedate		
Time	Program Name	Resource Person
8.30am to 10.30am	Registration and breakfast	
10.45am to 11.45 am	Introduction to De-addiction and case studies	Dr. Anil Avachat
11.45am to 12.45 pm	Role of NSS in Drug Abuse Prevention	Dr. Vilas Ugale
12.45pm to 2.00pm	Lunch break	







2.00am to 3.00 pm	Changing Trends of addiction	Mr. Mangesh Kurlekar
3.00pm to 4.00pm	Types of drugs, Characteristics, Myths and Facts	Mrs. Manisha Bora
4.00pm to 4.30pm	Validation	Dr. D. S. Borane
4.30pm to 5.00pm	Feedback	

### Session-I

**Time:** 10.45am to 11.45 am

**Resource Person:** Dr. Anil Avachat. (Director of Muktangan, De-addiction Center, Pune)

**Topic Name:** Introduction to De-addiction and case studies

Registration for the workshop was taken by NSS volunteers from 9.30am to 10.30 am and provided a workshop kit per each student. A workshop kit contains Pen, Diary and one document folder etc. After a registration breakfast and tea given to all participants and after that session one started at 10.45 am taken by Dr. Anil Avachat. The NSS volunteers dialogue with Dr. Anil Avachat sir and discuss their problems. This session is quite interactive due to direct communication with guest and discussion of their problems.

### Session 1 by Dr. Anil Avachat Sir







### **Session-II**

**Time:** 11.45am to 12.45 pm

Resource Person: Dr. Vilas Ugale.

**Topic Name:** Role of NSS in Drug Abuse Prevention.

The NSS volunteers dialogue with Dr. Vilas Ugale. sir and discuss their problems. This session is quite interactive due to direct communication with guest and discussion of their problems.

Session 2 conducted by Dr. Vilas Ugale Sir











### **Session-III**

**Time:** 2.00am to 3.00 pm

Resource Person: Mr. Mangesh Kurlekar (Muktangan, De-addiction Center, Pune)

**Topic Name:** Changing Trends of addiction

As topic name suggest this session is fully loaded with key points that highlights the changing trends of addiction. Use of Presentation slides and short film videos made this session more intractive and impactfull. Students started thinking about how we flow with such things easily and spoil our beautiful life by making ourself addict in unnecessary things. Mr. Mangesh Kurlekar sir explained various types of drugs, types of addictions, symptoms and experiences in their Muktangan organization. Mr. Sachin sir (member of Muktangan, De-addiction Center, Pune) they had also shared a experiences in their Muktangan organization with drugs addicted people.







**Session-IV** 

**Time:** 3.00pm to 4.00pm

**Resource Person:** Mrs. Manisha Bora (BJS's, ACS College, Pune) **Topic Name:** Types of drugs, Characteristics, Myths and Facts

As topic name suggest this session is fully loaded with key points that highlights the Types of drugs, Characteristics, Myths and Facts. Use of Presentation slides made this session more interactive and impact full. Students started thinking about how we flow with such things easily and spoil our beautiful life by making ourself addict in unnecessary things. Mrs. Manisha Bora explained various types of drugs, useful information of drugs and experiences in their work field.

Session 4 conducted by Mrs. Manisha Bora ma'am













Dr.D. S. Bormane Principal







Name of Event: Chh. Shahu Maharaj State level Street Play competition

Name of Guests: Mr. Satish Gedage, Mr. Rajkumar Jarange, Mr. Shreyas Behere

Name of Coordinator: Dr. N. N. Shejwal

Participants: NSS Volunteers

No. of Participants: 235

Date: February 10, 2020

Time: 09.30 am to 04.30 pm

Venue: AISSMS College of Engineering, Pune01

Event Report:

All India Shri Shivaji Memorial Society's College of Engineering, Pune- National Service Scheme had organised a state level street play competition named: **CHH. SHAHU MAHARAJ STATE LEVEL STREET PLAY COMPETITION** on 10 February 2020; from 10A.M. TO 3:00PM; With a vision to highlight varies of issues ranging from domestic violence, discrimination ,road safety etc. The theme for this competition was "EK BHARAT SHRESHTHA BHARAT" as published under of government of India. Through street plays, we attempt to create awareness about various social issues and their probable solutions, to move a step closer to a society we would like to live in.

Total 30 NSS volunteers was in organising committee and they worked under various departments like Registration, Hospitality, Lunch and breakfast arrangement, Stage arrangement etc.

Total 12 teams participated in this competition. There was lunch and breakfast arrangement for the teams. A unique Colour bands was given to each team at the time of reporting. Each team was provided by separate sitting arrangement and one NSS Volunteer for their guidance and hospitality. Participated teams performed very well and made very enthusiastic environment. Amongst 12 teams the first prize was won by "Sinhgad Institute Vadgaon (Centralized)" and performed the play: Mujhe Modern Banna Hai. Second prize was grabbed by "Sir Parshurambhau College" which highlighted the topic: Ek Bharat Shreshtha Bharat. Third prize was won by MIT Kothrud highlighting the topic: Journalism (The Yellow Puppet). The appreciation ceremony didn't ended here; young talents were also felicitated for best actor, best actress and best original script. Best actor was won by Shaileshkumar Bichewar - (G.H Raisoni college, Wagholi), Best actress- Sakashi Vahadne- (Smt. Kashibai Navale College) and best original script named: "Samajatil jvalant va jivant samsya" won by Sinhgad College Of Engineering Vadgaon. The "Kaal" (Marathi Movie) movie team was present for the Price distribution and winning prices are given by them.







## **Program Schedule:**

Sr No.	Time	Program Name
2	8.30am to10.00am	Reporting time
3	9.30am to 10.30am	Tea and Breakfast
4	10.30am to 11.00am	Inauguration program
5	11.00am to 1.00 pm	Competition Duration
6	1.00pm to 2.00pm	Lunch
7	2.00pm to 3.00 pm	Competition resume
8	3.00pm to 3.30pm	Buffer time
9	3.30pm to 4.40pm	Validation and Prize distribution

Every team was immensely loved and praised by the gathering.

### **Photos:**

### Reporting Desk























Name of Event: Road Safety Program

Name of Guests: PSI Deccan, Pune

Name of Coordinator: Dr. N. N. Shejwal

Participants: Community program

No. of Participants: 15

Date: 26/01/2020

Time: 10.30pm-12.30pm

Venue: Deccan, Pune

**Event Report:** 

As we know in our city there is problem of vehicle traffic and increasing number of road accidents. These accidents are due to lack of knowledge of traffic rules and lack of safety precautions. To aware people about traffic rules and safety precautions NSS volunteers taken an initiative to arrange Road safety program. On date of 26th January 2020 AISSMS college of engineering's 15 NSS students did this program at Deccan Pune. In this program PSI Deccan appreciated the work and supported for this Nobel activity. In this program awareness was created in crowd of people near main traffic signals with the help of small interaction with people, Slogans and hand boards with safety massages written on that.

### **Photos:**















Name of Event: Energy Sever Award Program at ZP School, Kondhanpur

Name of Guests: Principal, ZP School, Pune

Name of Coordinator: Dr. N. N. Shejwal

Participants: ZP School Students

No. of Participants: 221

Date: 6<sup>th</sup> Oct, 2019

Time: 10.30 am to 12.30 pm

Venue: ZP School, Kondhanpur, Pune

Event Report:

In this era, the energy is an essential component without which we cannot imagine living or performing any of the tasks. For the comfortable lifestyle, energy plays an important role. We perform various tasks with the energy such as heating, cooking, lighting, etc. with the help of furling energy, we run our vehicles and move from here to there. With the coal and wood energy, we cook our food and keep our homes warms. Therefore, it seems obvious that how much useful the energy is for our lives. It's important to make people aware about saving energy. In this Context AISSMS College of Engineering National Service scheme unit in association with has arranged Energy Sever award Program in Various schools. Around 10,000 students are included in this activity. Under this program Energy sever cards has distributed to each student for Three months to take the details of light bills and the flow of control on increase in units. The student which conserves much energy that will becomes eligible for best energy award. On the date 6th Oct, 2019 we taken this program in ZP School, Kondhanpur, Pune campus in order to contribute in this Nobel activity.

### Program Details:

1	Name of the School	ZP School, Kondhanpur, Pune
2	Name of the Principal	Mr. Pawar
3	School Standards participated	1 <sup>st</sup> to 10 <sup>th</sup>
4	No of Cards distributed	200
5	No of Volunteers Participated	20







## **Photos:**

Distribution of Cards by NSS volunteers











Name of Event: Tobacco Rally, Shaniwarwada

Name of Guests: D. Carthaginian

Name of Coordinator: Dr. N. N. Shejwal (P.O.NSS)

Participants: NSS Volunteers

No. of Participants: 72

Date: 2<sup>nd</sup> Oct, 2019

Time: 7:00 am to 10:00 am

Venue: Shaniwarwada, Pune

**Event Report:** 

Addiction is the term given to a pattern of behavior that causes negative consequences for the individual. Most people assume that addiction refers only to those who have a compulsive need for a particular substance such as tobacco. However, in reality, it is possible to become addicted to almost anything. To be clear, this condition occurs when a person continues to do something despite knowing that it will have an adverse impact on his or her life. Because of the various causes and triggers, there are many different types of addictions. Therefore, to spread awareness about tobacco effects 'National Service Scheme' unit of AISSMS COE, PUNE-01 drive a awareness campaign at Shaniwarwada, Pune under guidance of P.O, Dr. N. N. Shejwal on 2<sup>nd</sup> Oct,2019. The rally was driven to make people aware about the disadvantages of Tobacco and hazardous effects of addiction on health.

### **Photos:**









NSS volunteers with Dr. Shivaji Pacharne Sir during the Tobaco free rally







ज्ञानम् सकलजनहिताय

## **LIST OF ACTIVITIES: 2018-19**

Sr No	Activity	Venue	Page No.
1	Tree Plantation	Savitribai Phule Pune Univarsity, Pune	1
2	Hum Fit to India Fit	Film and Television Institute of India	3
3	Cyclothon	S. P. College and Lokabiradari	4
4	Water conservation and management	Savitribai Phule Pune Univarsity, Pune	5
5	Street Play Competition	Sulabha Society, Green World Publication	6
6	Construction of Soak Pit	Tulapur,Pune	7
7	Saksham Yuva Samartha Bharat	Savitribai Phule Pune Univarsity, Pune	9
8	Swachha Wari Nirmal Wari	Kasture Chowk, kondhare wada, Nana Peth, Pune	10
9	My Government My Progress (Govt. Scheme Awareness)	kondhanpur village in pune district	14
10	Digital Literacy	ZP School Gogalwadi	16







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Name of Event: Tree Plantation at SPPU

Name of Guests: Dr. Nitin Karmalkar, VC, SPPU

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 500+ Date: 13/07/2018 Time: 08:00 am

Venue: SPPU campus.

**Event Report:** 

On 31<sup>st</sup> July 2018 Savitribai Phule Pune Vidyapith has organized a tree plantation programme in association with Pune Metro. Volunteers from many reputed institutes across Pune came for the event. All India Shri Shivaji Memorial Society's, College of Engineering NSS Unit also took part in this activity. Around 35 Volunteers were present for the event. All volunteers reported the location at 08.00am. They were distributed in groups according to allotted area and saplings were given to all of them. The inauguration of programme was done by planting a tree with the hands of Chief Guest Dr. Nitin Karmalkar followed by all volunteers planting given saplings in respective areas.

## **Photographs:**





VC, SPPU Tree Plantation

























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Name of Event: Hum Fit to India Fit

Name of Guests: FTII and SPPU authority Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 150+ Date: 15/08/2018 Time: 09:00 am

Venue: Savitribai Phule Pune University.

**Event Report:** 

This Independence day Government of India had taken an initiative of creating awareness among the people regarding fitness. In this FTII i.e. Film and Television Institute of India contributed by making a short film named **HUM FIT TO INDIA FIT** encouraging participation of NSS students from all the colleges. AISSMS COE NSS Unit responded actively by showing participation of total 19 volunteers in this short film. The short film included about 150 NSS volunteers, showing their talent in various forms like dance, lazim, lathi-kathi, karate, yoga, etc. The duration of short film was 4 minutes which released on 15th of August. The main theme of short film was to make people aware regarding importance of fitness by doing regular exercises and practising yoga. This message was passed on with the help of song hum fit to India fit on which traditional sports and culture of India was shown.

## **Photograph:**









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Name of Event: Cyclothon

Name of Guests: Shri. Aniket Amate

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 1200+ Date: 07/10/2018 Time: 07:00 am

Venue: S P College.

Event Report:

The Lokbiradari prakalp mitramandal trust Pune, Savitribai Phule Pune university National service scheme, S.P. College had organized a Pune cyclothon that is the marathon of cycles on Sunday 07/10/2018 for the people of all age group and professions . It received a great response as people of all age groups from 5 to 95 years participated enthusiasticaly.it was started by the flag hoisting by Mr.aniket Amte and it covered a distance of 15 kilometres starting from S.P college to S.P.P.U.The following N.S.S volunteers participated in the event.

### **Photograph:**









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Name of Event: Water Management and Conservation

Name of Guests: Dr. Rajendra Singh

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 400+ Date: 16/12/2018 Time: 09:00 am

Venue: SPPU, PUNE.

**Event Report:** 

This programme was organized by Savitribai Phule Pune Vidhyapith, Pune on 16/12/2018. The Chief Guest of the Programme was Ramon Magsaysay awardee Dr. Rajendra Singh (Water Man Of India). 05 Volunteers participated in this activity.

### **Photographs:**



Volunteers with Hon. Rajendra Singhji







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Name of Event: Street Play Competition

Name of Guests: Sulabha Society

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 200+ Date: 27-28/02/2019

Time: 01:00 pm

Venue: Sulabha Society and Green World

### **Event Report:**

AISSMS COE NSS Unit took part in street play competition on 27<sup>th</sup> and 28<sup>th</sup> February 2019, which was organized by Sulabha Society and Green World Publication. Out unit presented street play on serious issues of beggar. 10 team participated in the competition among which top 5 were selected of which our unit was also selected. In final round out unit secured 4<sup>th</sup> rank.

## **Photograph:**



Volunteers with Slubha Karandak

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Name of Event: Construction of Soak Pit

Name of Guests of Honour: Dr. N. N. Shejwal

Name of Coordinator: Dr. N. N. Shejwal

Location: Tulapur Date: 16.08.2018

Time: 09.00 am -06.00 pm

**Event Report:** 

The NSS Unit of AISSMS's College of Engineering, Pune comprising of 18 members went to Tulapur village located about 32 km from Pune City.

The main motive of our visit was to give the brief information about "Swachh Bharat Abhiyan" & Govt. of Maharashtra schemes and also to spread the importance of cleanliness in the society as we are also a part of this society.

We reached at around 9:30 am in the village & had conversation with the Gram Panchayat officer Mrs. Jyotsna about the open drainage. The drainage water spread on the road and in front of the school premises so that it was very difficult to enter in the school. The dirty smell of drainage water finds very difficult to sit in the class. The AISSMS COE student observed it and decides to give the solution to this problem. They analysis the problem and prepared the plan and discussed with the grampanchyat member, Sarpanch and Gram Sevak as well as the head master of the school. They all gave some suggestion and we finally commenced the work of soak pits at 10:10 am.

We made a pit for the tank of sewage water in the primary school. A team of 4 students went to the class for teaching and briefing them about cleanliness and different education schemes for the students. They took the lecture and revision of the students. They also gave an idea about plastic pollution and how plastic waste affects the environment and encouraged them to minimize the use of plastic.

The remaining 14 volunteers started to work for making the soak pit as requested by the villagers. The volunteers started by marking the pit of size 4ft X 4ft and started digging the pit. The pit of 5 ft height was dug by the volunteers in about 4 hours. Then, a ready cement tank of size 4 x 3.5 ft. was lifted by the volunteers and set in the pit. The pit was then filled with rocks, stones, bricks and mud.

The volunteers thus completed this work within 8 hours work. The volunteers enjoyed a cup of tea after the work was completed and then everyone departed towards college with a feeling of satisfaction. The team had a great time with the villagers and students of the primary school in the village.



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Volunteers on Construction of Soak Pits







On field volunteers on duty









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Name of Event: Saksham Yuva Samartha Bharat

Name of Guests: Sh. Vinod Tawade

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 2000+ Date: 23-24/02/2019

Time: 09:00 am

Venue: Balevadi Stadium, pune.

**Event Report:** 

This programme was organized on  $23^{rd}$  and  $24^{th}$  February 2019 at Shri Chhatrapati Shivaji Stadium, Pune by State Ministry. volunteers were attended this programme.



State Level Workshop at Balevadi stadium, Pune







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Name of Event: Nirmal Wari Dindi

Date: 08-09/07/2018

Name of Co-ordinator: Dr. N.N. Shejwal (P.O. NSS)

Number of Participants: 50

Time: 6.00am to 8.00pm (Sunday) 8.00pm to 11.00am (Monday)

Venue: Kasture Chowk, kondhare wada, Nana Peth, Pune.

**Event Report** 

<u>Pandharpur Wari</u> is an annual pilgrimage Alandi to <u>Pandharpur</u> in <u>Maharashtra</u> in the month of July every year. Sant <u>Dnyaneshwar</u> and <u>Tukaram</u> are taken from their respective <u>shrines</u> to Pandharpur. This is 21 days March on foot from various locations in Maharashtra to <u>Vithoba temple</u>, <u>Pandharpur</u>, attracts a total of over a million pilgrims. Devotees from Maharashtra and nearby areas set out for Pandharpur,

As per the circular of Savitribai Phule Pune University, Pune-07 about the Swachha Wari, Nirmal Wari, Nisarg Wari, the All India Shri Shivaji Memorial Society's , College Of Engineering, Pune-01, National Service Scheme unit has been participated in the Niramal wari Programmme on 8th and 9th July 2018 at Kasture Chowk , Nana Peth, Pune.

The volunteers reached the Ladkat School, Nana Peth, Pune on 8th July 2018 at 6.00am early in the morning. It was tea time early in the morning, so the the volunteers immediately helped to the local people for serving tea, biscuits and breakfast to the pilgrims of Dindi. Further the volunteers have been carried out the cleaning drive in Kasture Chowk and Kondhare wada area. The volunteers collected the plastic wrappers of Biscuits, empty glasses of tea and water and empty breakfast plates. While conducting the cleanliness drive volunteers also make awareness regarding the cleanliness. The volunteers appealed to the people that do not spit on road and public places. Simultaneously the some group of volunteers helped local people and police in the traffic management and directing the people participated in Dindi. Some volunteers help the missing pilgrims to find out their dindi location. After 11.00am all the boys volunteers started working for the arrangement of the lunch for the pilgrims in association with local organizer and also washed the utensils for cooking of food. The girls volunteers involved themselves in kitchen job and helping the cooks and the women in preparing of dough, puri, washing and cutting of vegetables. The girl's volunteers also learn from the pilgrims how to make the Jawar and Bajari bhakari (Roti). The volunteers visited to the different dindi and they had some conversation with pilgrims and enjoyed the Bhajan, Kirtan and learn the tradition. It was the lunch time; volunteers took the charge of serving the food to the pilgrims with the glass of water. Within the period of 2hrs, volunteers served the food more than 1000 pilgrims. Then the volunteers took lunch. During the lunch break, Mrs. Manisha Kondhare, Corporator, PMC, visited the place and felicitated our NSS unit and appreciated their work and help. After everyone's lunch, volunteers removed the chairs and table and cleaned the area. In the evening volunteers again helped in serving the tea and biscuits and did some cleaning and traffic management up to 8.00 pm also dialogue with the pilgrims to know about their village and life.





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At 8.00pm the volunteers of night shift arrived at the location. They also helped locals in serving food and other managements. They had good talks with all varkari's and enjoyed Bhajan and Kirtan with them. Volunteers also helped those people in making arrangements of their sleeping. On 9<sup>th</sup> July 2018, the both the Palkhi's have been proceed for the next destination. After the palkhi left the nana peth, the every Main and internal roads was full of garbage. Volunteers took the initiative along with the sanitation department, PMC and cleaned each and every area of Nana Peth. Dr.Prabhakar Desai, Director, National Service Scheme, SPPU, visited to the area and carried out the inspection of entire Nana Peth area around 10.00am. Dr Prabhakar desai Sir also took the feedback and experience of Nirmal wari. He also dialogue with the volunteers, guide them and appreciated the Nobel work.





OUR NSS UINT FELICITATED BY AREA CORPORATOR

VOLUNTEERS COLLECTING GARBAGE







VOLUNTEERS SERVING FOOD IN DINDI



सकलजनहिताय



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VOLUNTEERS MAKING CHAPATIS

CLEANINLINESS DRIVE

NIGHT SHIFT VOLUNTEERS







VOLUNTEERS ON FIELD CLEANING MISSION







CLEANING OF ROAD

**BEFORE** 

AFTER













Dr.D. S. Bormane

Principal





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Name of Event: My Government My Progress (Govt. Scheme Awareness)

Name of Guests: NSS Volunteers

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 15 Date:26/07/2018 Time: 11:00 am

Venue: Kondhanpur

**Event Report:** 

The Union and State Government launches several schemes for the citizens of India from time to time. They are launched for the purpose of improving the livelihood of the people and providing security for leading a better life. Each scheme is launched to provide benefits to the individual in certain areas of their life. Some schemes grant financial security while others aim to provide socio-economic measures. The beneficiaries covered under most of the individual schemes are the rural people, urban poor, lowincome families, economically backward sections or weaker sections of the society. There are so many diverse schemes Atal Pension Yojana, Unnat Jeevan by Affordable LEDs and Appliances for All (UJALA), Ayushman Bharat Yojana, Grameen Kaushalya Yojana or DDU-GKY, Pradhan Mantri Gramin Awaas Yojana, Pradhan Mantri Matritva Vandana Yojana, Deen Dayal Upadhyaya Antyodaya Yojana, Pradhan Mantri Adarsh Gram Yojana, Pradhan Mantri Kaushal Vikas Yojna, Pradhan Mantri Suraksha Bima Yojana, Pradhan Mantri Jeevan Jyoti Bima Yojana, Pradhan Mantri Jan Dhan Yojana, Pradhan Mantri Awas Yojana, Antyodaya Anna Yojana, Pradhan Mantri, Ujiwala Yojana, Swamitva Yojana etc launched by government, but whether these scheme reached to the last beneficiary is an important to check specially in rural area. All these Schemes introduced for Rural Development to assist the poor families living below the poverty line in rural areas for taking up self-employment. These schemes are funded by the Central or State Government.

In this context, NSS volunteers took an initiative and spread the awareness about the schemes at kondhanpur village in pune district. They interact with the people ask them, whether they aware about the schemes or not. NSS volunteers guided to the individual villagers about the scheme benefits as well the documents required for the same and where to submit the proposal of the scheme.



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## **Photograph:**





NSS Vol Interacting With Villagers About Govt. Schemes

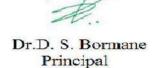
















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Name of Event: Digital Literacy

Name of Guests: Principal, ZP School Gogalwadi

Name of Coordinator: Dr. N. N. Shejwal

Participants: Teaching, Non-Teaching Staff and Volunteers

Participants: 140+ Date: 30/07/2018 Time: 10:00 am Venue: Gogalwadi

**Event Report:** 

In 21st century all are living on digital planet, the current generations are the BHUMIPUTRA of this digital planet. The revolution in every field brought by the advancement in science and technology. Everywhere we are using a smart phone and smart computers, internet for communications. The rural area should not be lagging behind in this digital era. Therefore, NSS unit of our college initiated the digital literacy program for school children. As a part of this initiative the digital literacy prog conducted in Gogalwadi ZP School in Pune districts under the guidance of prog officer Dr. N.N. Shejwal. The all-school children and teaching and non-teaching staff along with few villagers attended the program. The digital literacy program covered the peripheral equipment's of computer, its function, mobile functioning through power point presentation etc. The NSS volunteers Mr. Varad Patil was lead the activity. All the staff members and villagers appreciated the program.

## Photograph







School children in digital literacy class at Gogalwadi

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## **INDEX**

Sr No	Activity	Page No.
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## 1. Award Received by NSS team









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## **Certificate of Merit**

is awarded to

## Gauri Karpe

for his/her volunteering more than 50 hours in Tobacco Control activities under National Service Scheme (NSS) at All India Shri Shivaji Memorial Society, College of Engineering, Pune during 2019-20

Sanjay Seth

Trustee Sambandh Health Foundation PLEDGE for LIFE
Tohacco Free Youth

Dr. Atul Salunke SLO & OSD (NSS) Government of Maharashtra





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सावित्रीबाई फुले युणे विद्यापीठ (বুৰবি বুজ বিকালাত) राष्ट्रीय सेवा योजना 🍮 🥸 रासेची सहमान सोहळा - २०२० सावित्रीबाई कुले पुणे विद्यापीठ, राष्ट्रीय सेवा योजना विभागाच्या वतीने ्राज २७१९-२० या शैक्षणिक वर्षामध्ये डॉ. नाना शेजवळ एआयएमएपएसचे अभियांत्रिकी महाविद्यालय, एक भारत श्रेष्ठ भारत आदान-प्रदान कार्यक्रम (उत्कल विद्यापीठ, ओडीसा) विशेष शिविर आयोजन केल्याबद्दल हे यादमाना पादि गौरवपूर्वक प्रदान करण्यात येत आहे





Dr.D. S. Bormane Principal



## COLLEGE OF ENGINEERING



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## **Certificate of Merit**

is awarded to

## Swapnil Pawar

for his/her volunteering more than 50 hours in Tobacco Control activities under National Service Scheme (NSS) at All India Shri Shivaji Memorial Society, College of Engineering, Pune during 2019-20

Sanjay Seth

Trustee Sambandh Health Foundation

PLEDGE for LIFE Tobacco Free Youth

Dr. Atul Salunke SLO & OSD (NSS) Government of Maharashtra





## COLLEGE OF ENGINEERING ज्ञानम् सकलजनहिताय



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सावित्रीबाई फुले पुणे विद्यापीठ, राष्ट्रीय सेवा योजना

मॉडर्न कला, विज्ञान व वाणिज्य महाविद्यालय (स्वायत), शिवाजीनगर, पुणे ०५.

राज्य/राष्ट्रीयस्तरीय प्रजासत्ताकदिन पूर्वसंचलन पुणे जिल्हास्तरीय रासेयो स्वयंसेवक निवडचाचणी शिबिर दि. १५ सप्टेंबर २०२३, स्थळ : मॉडर्न कला, विज्ञान व वाणिज्य महाविद्यालय (स्वायत्त), पुणे ०५.

Manali Gopal Jadhar

कुमार/कुमारी

यांनी दि. १५ सप्टेंबर, २०२३ रोजी, सावित्रीबाई फुले पुणे विद्यापीठ, राष्ट्रीय सेवा योजना विभाग व मॉडर्न कला, विज्ञान व वाणिज्य महाविद्यालय (स्वायत), शिवाजीनगर, पूर्ण ०५. आयोजित 'राज्य/राष्ट्रीयस्तरीय प्रजासत्ताकदिन पूर्वसंचलन पूर्ण जिल्हास्तरीय निवडचाचणी शिविशमध्ये' सक्रीय सहभाग घेतल्याबद्दल सदर प्रमाणपत्र प्रदान करण्यात येत आहे.

जिल्हा समन्वयक, रासेयो पुणे शहर

मॉडर्न महाविद्यालय

डॉ. सदानंद भोसले संचालक (अतिरिक्त कार्यभार), राष्ट्रीय सेवा योजना

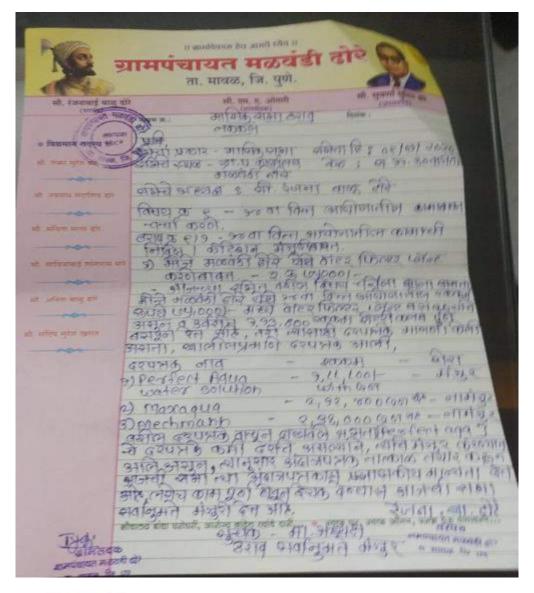








### 2. RO Plant Permission Letter





Dr.D. S. Bormane Principal



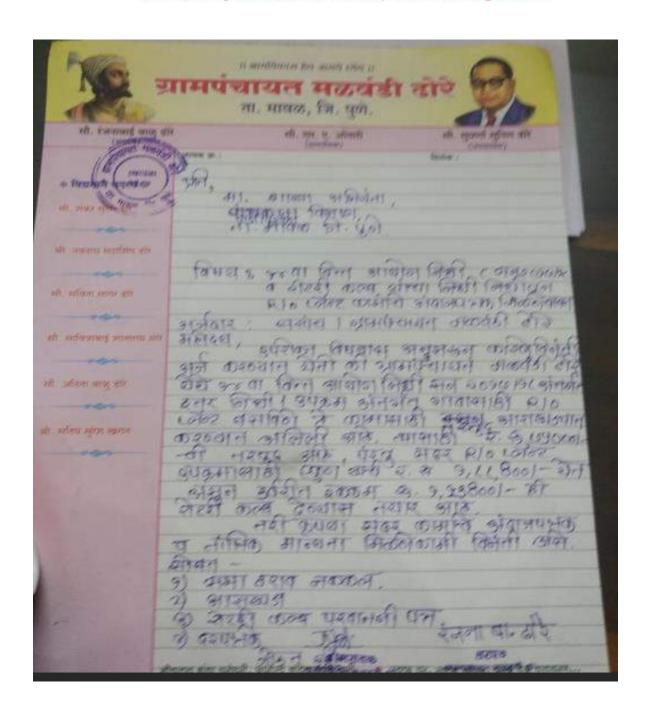
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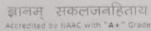
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Dr.D. S. Bormane Principal



# AISSMS







#### UNNAT BHARAT ABHIYAN

Ref No. AISSMS/COE/UBA/

/2020-21

Date: 19/01/2021

#### OFFICE ORDER

The All India Shri Shivaji Memorial Society's College of Engineering, Pune-01 is conducting water reservoir survey and redesign at adopted village Kalyan under Unnat Bharat Abhiyan on Thursday, January 21st, 2021 at 09:00 am. The following staff members are here by appointed to work as expert, coordination committee member for the above mentioned activity.

Sr.No.	Name of the Staff	Department	Designation	Contact Details	
01	Dr. Nana N. Shejwal	UBA	Nodal Officer	9422309104	
02	Dr. P.B. Nangare	Civil	Member	9423031807	
03	Dr. R.D. Nalawade	Civil	Member	9422084987	
()4	Prof. V.S. Chavan	Civil	Member	7397937383	
05	Prof. P.R. Modak	. Civil	Member	9767449627	
06	Shri. A.U. Karne	Civil	Member		

All the above staff members are requested to work according to the Government of Maharashtra & Savitribai Phule Pune University guidelines and Dr. N.N. Shejwal Coordinator for smooth functioning of the event.

Dr.D.S.Bormane Principal

Copy to: 1) Concerned HOD's and staff members for information,

2) Admin Office









पुणे जिल्हा परिषद, पुणे उप विभागीय जलसंधारण अधिकारी, ल.पा.उपविभाग . हवेली जि.प. पुणे पंचायत समिती हवेली ,जुनी जिल्हा परिषद इमारत पुणे

Email:misdzp@rediffmail.com

कार्यक्षेत्र: हवेली / मावळ /मुळशी

नाक्र ल.पा./वशी/ 317 /2021

年. 11.10.2021

ਧੀਰ

मा. वरिष्ठ भुवैज्ञानिक .

भुजल सर्व्हेक्षण व विकास यंत्रणा,

भुजल भवन , शिवाजीनगर, पुणे-05

विषय – मौ कल्याण (मेंगजाईदरा ) ता.हवेली जि.पुणे येथिल पाझर तलावाच्या भुस्तर अहवालाबावत.

उपरोक्त विषयान्वये मौ कल्याण (मेंगजाईदरा ) ता.हवेली जि.पुणे येथिल पाझर तलावाचे काम सन 2015.16 या वर्षात पुणे झालेले आहे. पावसाळा संपलेनंतर 1 ते 2 महिने पाणीसाठा राहतो त्यामुळे सदर पाझर तलावाची दुरुस्ती करणेचे प्रस्तावित आहे. तरीही सदर पाझर तलावाची प्रत्यक्ष भुस्तर पाहणी करुन अहवाल मिळणेस विनंती आहे.

्पिकार्जीय जलमधारण अधिकारी, विका रोज्य अधिकारी, विकास रोज्य अधिकारी,

प्रत.

- 1) मा. प्राचार्य, AISSMS College of Engineering , Pune यांना माहितीसाठी सादर.
- 2) मा.जिल्हा जलसंधारण अधिकारी, जिल्हा परिषद (लघु पाटबंधारे) विभाग, जि.प.पुणे यांना माहितीसाठी सादर.



## पुणे जिल्हा परिषद पुणे जिल्हा जलसंधारण अधिकारी

जिल्हा परिषद (लपा.) विभाग पुणे चौधा मजला यशवंतराव चव्हाण ,१ वेलस्ली रोड भवन

E-mail:eemidzppune@gmail.com जिप/लपा/ / प्रकल्प शाखा २ ४० / /२०२१

दिनांक: 09/99/२०२१

प्रति.

जिल्हा जलसंधारण अधिकारी

मृद व जलसंधारण विभाग, पुणे

विषय -- मा. मुख्यमंत्री जलसंवर्धन योजने अंतर्गत मौ कल्याण (मेंगजाईदरा ) ता.हवेली जि.पुणे येथिल पाझर तलावाच्या दुरुस्तीच्या कामास प्रशासकीय मान्यतेबाबत.

संदर्भ -- 1) मा . मृख्य अभियंता. मृद व जलसंधारण विभाग, महाराष्ट्र राज्य यांचेशी भ्रमनध्वणीव्दारे दिलेल्या आदेशानुसार

2) उप विभागीय जलसभारण अधिकारी, जि.प. (ल.पा.) उपविभाग, इवेली यांचेकडील पत्र जाक्र लपा/उपवि/शाखा /329/21 दि. 01.11.2021

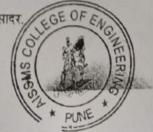
उपरोक्त विषयान्वये , मा. मुख्यमंत्री जलसंवर्धन योजने अंतर्गत मौ कल्याण (मेंगजाईदरा ) ता.हवेली जि.पुणे येथिल पाझर तलावाच्या दुरुत्तीच्या कामास निधी उपलब्ध करुन देणेबाबत मा. मुख्य अभियंता, मृद व जलसंधारण विभाग, महाराष्ट्र राज्य व मा.प्राचार्य . AISSMS College of Engineering , Pune यांची भ्रमनध्वणीव्दारे दि.11.10.2021 अन्वये झालेल्या संवादानुसार , मा. मुख्य अभियंता, मृद व जलसंधारण विभाग, महाराष्ट्र राज्य यांनी सदर पाझर तलाव दुरुत्तीचे काम मा. मुख्यमंत्री जलसंवर्धन योजने अंतर्गत प्रशासकीय मान्यतेसाठी सादर करणेबाबत सुचित केलेले आहे. त्यानुसार सन 2020.21 चे प्रचलित दरसुचीनुसार पा.त.दुरुत्ती कामाचे अंदाजपदक पृढील कार्यवाहीसाठी पाठविणेत येत आहे.

आपले माहितीसाठी व पुढील कार्यवाहीसाठी सस्नेह अग्रेषित.

जिल्हा जलसंधारण अधिकारी जिल्हा परिषद (ल.पा.) विभाग जिल्हा परिषद पुणे

प्रत

1) मा. प्राचार्य, AISSMS College of Engineering . Pune यांना माहितीसाठी सादर



'क्याम क्यान

**CS** CamScanner



### पुणे जिल्हा परिषद, पुणे उप विभागीय जलसंधारण अधिकारी,

ल.पा.उपविभाग . हवेली जि.प. पुणे पंचायत समिती हवेली ,जुनी जिल्हा परिषद इमारत पुणे

Email:misdzp@rediffmail.com

कार्यक्षेत्र: हवेली / मावळ /मुळशी

जाक ल.पा./वशी/ 317 /2021

दि. 11.10.2021

प्रात.

मा. वरिष्ठ भुवैज्ञानिक,

भुजल सर्वेक्षण व विकास यंत्रणा,

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उपविधानीय नर्लसधारण अधिकारी, जिल्हा राज्यक्षिपान (तथा) हवेली/मानळ/वृजनी

प्रत,

1) मा. प्राचार्य, AISSMS College of Engineering , Pune यांना माहितीसाठी सादर.

2) मा.जिल्हा जलसंधारण अधिकारी, जिल्हा परिषद (लघु पाटबंधारे) विभाग, जि.प.पुणे यांना माहितीसाठी सादर.





#### पुणे जिल्हा परिषद, पुणे उप विभागीय जलसंधारण अधिकारी,

ल.पा.उपविभाग . हवेली जि.प. पुणे पंचायत समिती हवेली ,जुनी जिल्हा परिषद इमारत पुणे

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कार्यक्षेत्र: हवेली / मावळ /मुळशी

जाक ल.पा./वशी/ 317 /2021

दि. 11.10.2021

प्रति.

मा. वरिष्ठ भुवैज्ञानिक,

भुजल सर्व्हेक्षण व विकास यंत्रणा,

भुजल भवन , शिवाजीनगर, पुणे-05

विषय — मौ कल्याण (मेंगजाईदरा ) ता.हवेली जि.पुणे येथिल पाझर तलावाच्या भुस्तर अहवालावाबत.

उपरोक्त विषयान्वये मौ कल्याण (मेंगजाईदरा) ता.हवेली जि.पुणे येथिल पाझर तलावाचे काम सन 2015.16 या वर्षात पुणं झालेले आहे. पावसाळा संपलेनंतर 1 ते 2 महिने पाणीसाठा राहतो त्यामुळे सदर पाझर तलावाची दुरुस्ती करणेचे प्रस्तावित आहे. तरीही सदर पाझर तलावाची प्रत्यक्ष भुस्तर पाहणी करुन अहवाल मिळणेस विनंती आहे.

रपविभागीय जर्मस्थारण अधिकारी, जिल्हा रिवट विविधाग (तथा) इवेती, बारट/ वृटगी

प्रत.

- 1) मा. प्राचार्य, AISSMS College of Engineering , Pune यांना माहितीसाठी सादर.
- 2) मा.जिल्हा जलसंधारण अधिकारी, जिल्हा परिषद (लघु पाटबंधारे) विभाग, जि.प.पुणे यांना माहितीसाठी सादर.





# AISSMS



हानम् सकलजनहिताय Accredited by NAAC with "A+" Grade

#### Percolation Tank Survey Report

Title of Project: Study and Modification in Percolation Tank at Kalyan Village

#### Problem Statement

To face the problem of groundwater depletion, the Indian Government relies on large projects of Managed Aquifer Recharge (MAR). Numerous recharge structures such as percolation tanks exist but the impact of these structures on groundwater resources remains poorly understood. Although the evaporation/infiltration ratio of percolation tanks was indeterminate.

Percolation tank of Kalyan village is not performing well and water is not retaining as per the designs, because of improper design of filter layers (beds) and unsuitable available soil strata. Water table in nearby wells are not recharged hence water scarcity problem occurred at kalyan village.

#### Objectives

- 1. To study the existing percolation tank at kalyan village.
- 2. To identify the problem related to percolation tank.
- 3. Analysis of the percolation tank with phreatic line.
- 4. Modification and redesign of filter media, toe drain, waist weir.

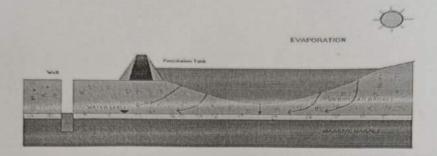
#### Introduction

Percolation tank is an artificial reservoir which are constructed across stream, submerging a land area with adequate permeability to facilitate sufficient percolation to collect surface water run-off and allow it to percolate within the permeable land. This is one of the effective methods of refilling





groundwater table (also known as groundwater recharge). These are earthen dams having masonry structures for spillway only and are preferred to be constructed over second or third order stream.



#### Guidelines:-

- Percolation tanks should normally be constructed in a terrain with highly fractured and weathered rock for speedy recharge.
- Too high permeability may result in the percolated water escaping in the downstream as regenerated surface flow, hence it will defeat the purpose of water conservation.
- The aquifer to be recharged should have sufficient thickness (about 3m) of permeable vadose zone to accommodate recharge.
- · The benefitted area must have sufficient number of wells, hand pumps etc.
- It is advisable and benefitting to have the percolation tank in an area of good/ average catchment.
- A long-term evaluation of the pattern of rainfall for the benefitted area must be studied so
  that the percolation tank gets filled up fully during monsoon.
- To minimize the silting at the bottom of the tank, soils in the catchment area should preferably be of light sandy type.
- Except for outlets provided for surface irrigation and the depth of the cut-off trench, there
  is not much difference, in the construction between a percolation tank and a minor
  irrigation tank.

#### Methodology

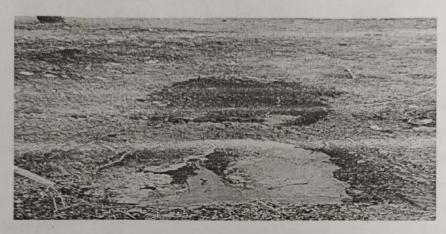
The following materials are more suitable to prevent leakages as well as seepage losses in reservoir but depends on topographical condition.





#### Coconut shell Threads

Using coconut shell threads is traditional but very cheap and useful method for use as a mixture for anything to increase its strength and some other properties like water holding capacity water tough water retain too. Mixture of soil, little amount of sand and coconut tenders with some amount of water is really good for retaining water in some amount.



#### Bentonite Soil:-

Bentonite is the fine textured colloidal clay with as much as 90% of Montmorillonite. When exposed to water, dried bentonite absorbs several times its own weight of water at complete saturation, it swells as much as eight to twenty times of its own original dry volume. If retaining wall contains high percentage of coarse-grained particles and not enough clay, adding Bentonite to it us another method of reducing excessive seepage through it.

Natural Bentonite: Deposits exist in several places around the world, for example in the United States of America, Mexico, China and Western Europe. Before selecting this method to seal your pond, you should locate a satisfactory source of bentonite, as close as possible to your site to reduce cost. You should also ensure that the quality of the available bentonite is good: it should contain the highest percentage of montmorillonite possible (at least 70 percent). The water level of your pond should not fluctuate too much. Soil treated with bentonite will develop numerous cracks when it dries up. It is best if it always remains wet.

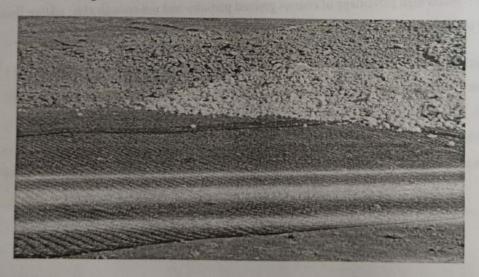




#### Geogrid:-

A geogrid is geosynthetic material used to reinforce soils and similar materials. Geogrids are commonly used to reinforce retaining\_walls, as well as subbases or subsoils below roads or structures. Soils pull apart under tension. Compared to soil, geogrids are strong in tension. This fact allows them to transfer forces to a larger area of soil than would otherwise be the case.

Geogrids are commonly made of polymer materials, such as polyester, polyvinyl alcohol, polyethylene or polypropylene. They may be woven or knitted from yarns, heat-welded from strips of material, or produced by punching a regular pattern of holes in sheets of material, then stretched into a grid.



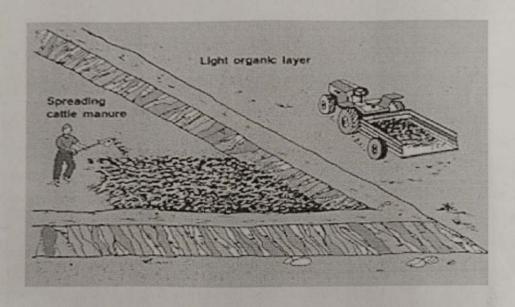




#### Light Organic Material:-

A simple method that greatly accelerates the sealing of a pond bottom is to spread enough cattle manure over it (at least 2 m<sup>3</sup>/100 m<sup>2</sup>) before filling the pond with water. Repeat this procedure several times if necessary, at intervals of eight to 12 months, until seepage losses become acceptable. After draining these ponds, refill them with water as soon as possible to reduce the rate of decomposition of the organic matter that seals the bottom pores.

If the dikes of a pond have been compacted very well, it may not be necessary to seal them against seepage when you seal the pond bottom. However, if you are not sure that the dikes are sound, it is best to seal them as well.



#### High Density Polyethylene Sheet (HDPE):- Govt. Resolution- 2018

Govt. of Maharashtra has provided guidelines for percolation tank. The guidelines are published and given in following way.



शासन निर्णय बानायन लपायो-२०१८/प्र.क.,१७७/जल-१

भाग छ) दुरूस्ती संदर्भात मार्गदर्शक सुचना :-

- १) पाझर तलाव/ गाव तलाव/ माती नाला बांध.
- संडवा पूर्णपणे बाहून जाणे, सांडव्याच्या बारबी तुटफूट होणे, पाझर तलावाचे गिंत व सांडव्याचा बार या वरस्थान असलेली कर्नेक वॉल (वर्गी वित) यानी तुटफूट, सांडव्याच्या आवील बाजुने होणारे माठ पाझर, सांडव्याच्या अधो भागात (Down Stream) पाण्याच्या आधाताने झालेले खोल खड्डे यासह सांडवा दुरुरतीचे फाम करण्यात याचे व अशी दुरुरती करताना रापट फाऊंडेशन सारख्या तंत्राचा वापर करावा. सांडवा बार क्षतीप्रस झालेला असल्यास सांडवा बारची डागमुजी प्रचलित पध्यतीने करण्यात यावी. पाझर तलाव व सांड्या बार यामपील जभी (पलेंक बॉल) ची तुटफूट झालेली असल्यास प्रचलित पध्यतीन तुटफूट झालेली दगड (Masonary Work) किंवा संधानकाने बांघणी करून पलेंक बॉल पूर्ववत करण्यात यावी.
- विवाय आतील बाजुने जलरोधक खंदकातुन (Cut Off Trench) मधून होणारे पाझर धांबविण्यासाठी (तलावमध्ये /लगत काळी माती उपलब्ध असल्यास) तलावाच्या आतील बाजुरा (Up Stream) आवश्यक त्या खोलीचा चर घेकन चरामध्ये प्राझर तलावामध्ये उपलब्ध असलेली काळी माती सरण्यात यावी व त्यानंतर पाणी हाकून बबाई (Compaction) करण्यात यावीत. तलावालगत काळी माती उपलब्ध नसल्यास, अशा विकाणी काढण्यात आलेल्या चराच्या लांबी व कंची या आकारमानाची ५०० Micron जांबीची HDPE आयएसओ प्रमाणित Sheet टाकण्यात यावी व काढण्यात आलेली माती/ सॉफ्ट माती/ मुरुम/ (उपलब्ध असलेल्या) यांनी तो चर भरण्यात यावा, अशा प्रकारमी HDPE Sheet टाकताना OOT हा पूर्णतः जल अवरोच करण्याच्या अनुवनाने HDPE Sheet ची कंची निश्चित करण्यात यावी.
- ा) तलायाच्या मितीतून / बांधातून होणारे पाझर थांबविण्यासाठी तलावामध्ये / लगत काळी माती उपलब्ध असल्यास / मितीवर बांधावर ६० से.मी. जाडीचा काळ्या मातीचा थर व ३० से.मी. मुरमाचा थर वेण्यात यावा व त्यानंतर योग्य ती दबाई करण्यात यावी. तदनंतर उपलब्ध असलेल्या वगडावा वापर करून, तरीच आवश्यक असल्यास अतिरिवतं दगड उपलब्ध करून त्यावर शुष्क अश्मपटल (Dry Stone Piching) करण्यात यावे. तरीच तलावामध्ये / लगत काळी गाती उपलब्ध नसल्यास COT मध्ये टाकण्यात आलेल्या अशा प्रकारची HDPE Shoot मितीव्या वरील भागात सुद्धा टाकण्यात यावी. मितीवर/बांधावर ६० से.मी. जाडीचा मुरुगाचा थर देण्यात यावा. तदनंतर उपलब्ध असलेल्या चगडाचा वापर करून तसेच आवश्यक असल्यास अतिरिवतं दगड उपलब्ध करून त्यावर शुष्क अश्मपटल (Dry Stone Pitching) करण्यात यावे. अशाप्रकारे HDPE Sheet ची कची ही तलावापासून ३ मीटरच्या मर्यादेत ठेवण्यात यावी तरीच घरणाच्या उर्ध्व भागात्या मितीस योग्य तो उतार ठेवावा व शुष्क अश्मपटल त्यावर रिवर राहील यावी दशता ध्यावी.

शासन निर्णय प्रमोका लपायो-२०१८/प्र.क.१७७/जल-१

- अ) वरील () ते (॥) व्यतिरीक्त आयश्यक असलेल्या स्थापत्य दुरुस्ती स्थानिक परिस्थितीनुसार घेण्यात याच्यात.
- र) सिमेंट नाला बांध / साठवण बंधारे स्थापत्य दुरुस्ती:-
- मिनेट बंधारा गळती प्रतिबंधक उपाययोजना करण्याकरीता सिनेट बंधा-याच्या आतील बाजुस (Up अत्कार के किया रिनेट श्री पडधी घेण्यात यावी, यामध्ये हे ते १२ एम. एम. जाडी वे स्टील वर्षरप्रश्च सार्व-या प्रश्चेत्रया पाया कठिण खडकामध्ये ३० से.मी. खोलीपर्यंत गुंतावा म्हणून करण्यात पर्या: अञ्चाकारची पडेही ही सिनेट वंधाऱ्याच्या मितीचा यरचा भाग (बार) पर्यंत घेण्यात यावी. सिनेट

Case Study: - Percolation Tank at Kalytan Village (Mengjai dara), Tal - Haveli, Dist - Pune



Fig.1. Satellite image of Kalyan Dam

Kalyan is located in the Sinhagad fort on the west side of Pune city. Kalyan village is at the foot of Sinhagad fort and is located in hilly and remote areas. As there is no large and medium scale project in this area, most villages in this area are deprived of irrigation facilities. In this area, even though it has received 93.12 inches of rain, the village experiences severe shortage of drinking water for 4 to 5 months after the rains. Drinking water suppliers have to be supplied. Apart from this, the cattle business here has been adversely affected due to lack of water. There is no irrigation system for the rabi season due to irrigation. Therefore, MLA Bhimarao Tapakir Sao, MLA of Haveli taluka & the group gram panchayat Kalyan informed the Executive Engineer, Small Irrigation Department, Z. P. Pune about the survey of the pond in this area, and informed the Executive Engineer, Small Irrigation Department, ZP, Pune and Budget is prepared by surveying the work.

The percolation tank of these above features was constructed in Kalyan village December 2015. The tanks outcomes for whole year are best but during summer season it is not able to fulfill the water requirement of villagers. Water shortage is one of the main problems faced by these people from village so our main objective of project is to retain the water percolation tank and also increase ground water level for wells which are present in village.



#### Location of Site

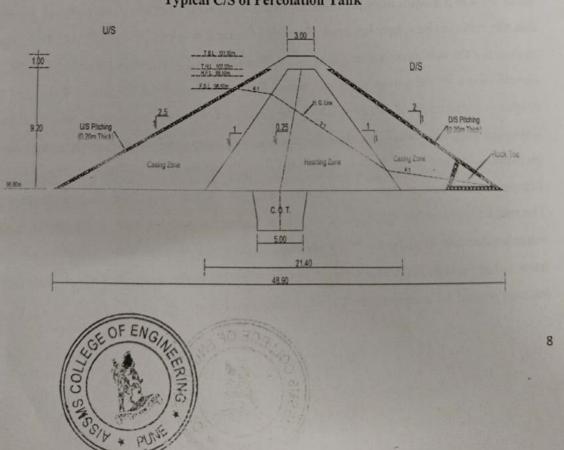
The project is located in Kalyan, Tal Haveli and 20 km west of Shivapur village and 35 km from Pune city.

- Map No.47, F11 & 47 f 15
- Longitude- 73"40"15".
- Latitude- 18"21"5"

#### Salient Features

Catchment area	1.050 sq.km (0.59 Km <sup>2</sup> )		
Capacity	4.96 million cubic feet		
Available yield	31.90 million cubic feet		
Length of dam	88 m		
Maximum height of dam	10.20 m		
Lowest Nalla Bed (NBD)	928.55 m		
F.S.L. RL (FTL)	936.75 m		
H.F.L. RL (HFL)	937.75 m		
T.B.L. RL	938.75 m		
Irrigable area	31 hectors		
Length of waste weir	20 m		
Width of waste weir	120 m		

#### Typical C/S of Percolation Tank



#### Rainfall Data (2000-2019)

Total Annual Rainfall data is taken into account at Velhe observatory, located at 10 Km away from kalyan village. Catchment number (CAT) - 307, Lattitude in degree (LA) N – 18, Longitude in degree (LO) – 73,

YEAR	ARF (mm)	NOB	
2000	1330.0	366	
2001	1931.0	364	
2003	1420.0	365	
2004	2054.4	366	
2005	6320.6	365	
2006	3997.0	365	
2007	3263.0	364	
2008	2409.0	366	
2009	1405.0	365	
2010	2043.0	365	
2011	2695.1	365	
2012	2070.4	366	
2013	2069.6	365	
2014	1812.4	365	
2015	1662.6	365	
2016	1832.2	366	
2017	2587.0	174	
2018	1674.8	365	
2019	3970.3	164	

#### Rainfall data (years) = 2000-2019

Average yearly rainfall in inch = 98

50% Dependable monsoon rainfall = 2449.86 mm

#### Storage Calculations

Catchment Area - 0.59 Km2, Rainfall Station - Velhe, Average Mansoon Rainfall - 98 inch

Assuming Silt Rate - 6HM/100 SQ, KM/Year = 37.80 TCM.

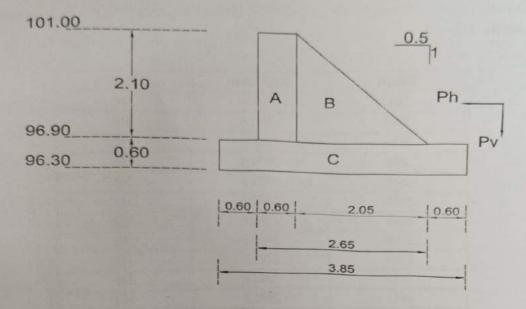
Yield Calculations - 40.74 MCFT = 1153.96 TCM = 4, 07, 40,000 litres.

Discharge as per Inglis Formula – 29.40 m<sup>3</sup>/s.





#### Flank Wall of Waste Weir



#### DAM SURVEY

All India Shree Shivaji Memorial Society's College of Engineering, Pune conducted Dam Survey, in association with Civil Engineering Department, National Service Scheme & Unnat Bharat Abhiyan at Kalyan village, Tal. Haveli, Dist. Pune on Friday 15th Jan. 2021 under Presence of Sarpanch Shri. Rajesh Dimble, other former members of Gram panchayat, Medical Officers, Principal Dr. D. S. Bormane Sir, Dr. N. S. Shejwal-Program Officer NSS, Dr. P B Nangare, Prof. V S Chavhan & UBA Volunteers of AISSMS College of Engineering. The main purpose of dam survey was to solve the problems of villagers about consumption of rainwater. Principal Dr. D. S. Bormane, Dr. P. B. Nangare & Dr. N. S. Shejwal motivated to villagers to give contribution as per their strength.

We had visited Kalyan gaon, Pune on 21st Jan 2021. Topographical survey have been carried out as per the guidelines given by Dr. P. B. Nangare. We also have discussed how to increase catchment area by identifying the selection site criteria. Tentative depth of the dam had been analysed. Dr. P. B. Nangare has suggested idea of vertical cutoff and provision of HDPE



Sheet, the secondary dam on downstream site. Civil Engineering Faculty had taken efforts to solve seepage problems with optimum solution.

Conventional survey of the dam carried with the use of surveying instruments like total station, Auto level, ranging rod, reflecting mirror and levelling staff etc. Volunteers was been divided in to certain groups to carry out different stages of survey. First group was measuring the distance at interval of 10 m and correspondingly 5 m each to left and right side of 10 m distance marked. Second group of students was taking the levels with the help of Auto level. Reduced levels of all the points located on upstream side of dam is taken it and prepared contour map. Based on contour map find out reservoir capacity, yield of reservoir as per availability of rainfall data at nearby observatory located at Velhe.

Soil testing and waste weir level had been analyzed, considering the necessary points from the villagers like history of the dam, demand of water for drinking, washing purposes. NSS volunteers under the guidance of Dr. P. B. Nangare has now taken up survey and executed dam survey by focusing following points.

- 1. Topographical features
- 2. Site Selection Criteria and catchment area
- 3. Waste weir level checking, Soil Testing
- 4. Seepage Analysis
- 5. Suggestion about secondary dam at downstream site
- 6. Investigation on water retain
- 7. Villagers opinions and demands



Fig 2. Principal Dr. D S Bormane, Sarpanch Shri. Rajesh Dimble, Dr. P B Nangare, Students and Villagers







Fig. 3. Dam Survey and Investigation carried by team of AISSMS COE Pune

#### Lidar Survey

It has been found that some corrections and error occurred in Contour Map and decided to carry out this work with Advance Instrument to rectify errors in conventional surveying. Further Survey is carried out by All India Shri Shivaji Memorial Society's College of Engineering, Pune-01, Unnat Bharat Abhiyan unit at Kalyan, Tal. Haveli, Dist. Pune on Monday 8th Feb. 2021 under presence of Sarpanch Shri. Rajesh Dimble, NSS programme Officer Dr. N. S. Shejwal, HOD of Civil Engineering Dr. U. R. Awari, Prof. P. R. Modak Sir, Prof. V.S, Chavhan. The main objective of survey is to solve the problems of villagers about consumption of rainwater.

Topographical survey have been carried out as per the guidelines given by consulting team of Trident Engineers, Shri. B.S. Holkar. We also have discussed how to increase catchment area by identifying the selection site criteria. Advance survey is carried with Trimble GPS R10, to collect more accurate data faster and easier – no matter what the job or the environment, with the Trimble® R10 GNSS System. Built with powerful technologies integrated into a sleek design, this system provides surveyors with a powerful way to increase data collection productivity in every job, every day. The Trimble R10 GNSS receiver LEDs enable you to monitor satellite tracking, radio reception, data logging status, Wi-Fi status, and power. Bluetooth wireless technology provides cable-free communications between the receiver and controller. With the help of this apparatus we are able to measure the height, length, width and depth of the dam basin accurately. The receiver that calculates all the data is fitted onto a specific bag, which the person surveying wears on his back and has to walk and cover the required area to be surveyed. While the second



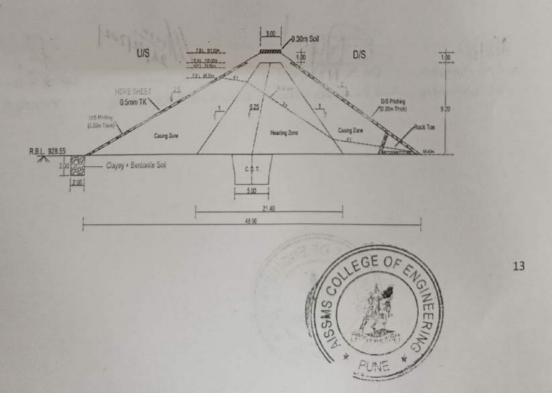
receiver is set at a stationary point which sends the information from the first receiver to the satellite for accurate readings.



Fig. 5. Survey Expert Mr. B.S. Holkar, Dr. U R Awari, Dr. N S Shejwal, Prof. V S Chavhan & Prof. P R Modak

#### Provision as per Guidelines provided by Govt. of Maharashtra

AS per guidelines provided by Govt. of Maharashtra, in this dam suggested that vertical cutoff is provided on upstream side by excavating trenches of 2 m width and depth is 2 m or extended upto hard strata. Vertical cut off is filled by mixture of clayey soil and bentonite soil with provision of 500 micron (0.5 mm) HDPE sheet. HDPE Sheet is provided on upstream side of dam and then covered on top of dam and extended by 1m on its downstream side. At top of dam available soil is filled and compacted to 0.30 m depth. Upstream side of dam is suggested to filled and compacted with bentonite soil.



## **Expected Storage calculations**

- Measured Catchment area as per Lidar survey 0.59 Km<sup>2</sup>
- Available water capacity as per present Scenario 1,78,43,000 litres
- Expected availability of water after removal of silt load 3, 45, 63,000 litres.
- Yield of water as per average yearly annual rainfall 4, 07, 40,000 litres.
- Reservoir capacity of dam to hold water 8, 43, 00000 litres.
- Demand of water as per present population 9, 49, 00000 litres.

#### **Cost Analysis**

Sr. No.	Description of items	Area/Volume	Unit	Rate	Amount (Rs.)
1	HDPE Sheet of 0.5 mm thick	1737.12	m <sup>2</sup>	140	2,43,196.80
2	Excavation	27705.48	m <sup>3</sup>	80	22,16438.00
3	Bentonite + clayey Soil	352	m <sup>3</sup>	lumsum	25000.00
	Total Cost	24,84,634.00			

Dr. P.B. Nangare Civil Engineering

Dr. N. Sl'Shejwal

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Principal







#### CONTOUR MAP OF KALYAN DAM - PERCOLATION TANK

