



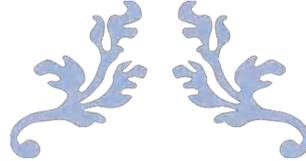
SOCIETY OF ST. FRANCIS XAVIER, PILAR'S  
**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**

(Approved by AICTE & Affiliated to University of Mumbai)

**Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.**

Phone : (022) 6711 4000, 6711 4101, 6711 4104

Website : [www.frcrce.ac.in](http://www.frcrce.ac.in) • Email : [crce@fragnel.edu.in](mailto:crce@fragnel.edu.in)



**Metric No. 7.1.2**

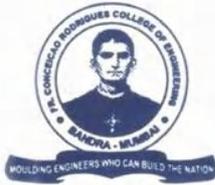
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**ENVIRONMENTAL CONSCIOUSNESS AND  
SUSTAINABILITY AND DIVYANGJAN FRIENDLY  
INITIATIVES**

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**Additional Information**





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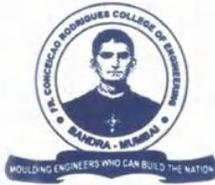
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| 2              | Management of the various types of degradable and non-degradable waste | <u>11-17</u>    |
| 3              | Water conservation   | <u>18-25</u>    |
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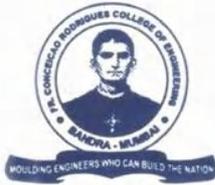
## 1. Alternative sources of energy and energy conservation measures

### a. Solar Energy

It is the need of the hour to reduce the burden on the planet earth for energy requirements generated from the conventional energy methods. The conventional energy generation methods are polluting the environment and depleting the natural resources, which are already scarce, at a faster rate than before. Now it is in the best interest of humanity to search and tap alternative energy resources that are green and efficient. Institute is very sensitive to energy issues and responded to it positively. Institute has installed Solar Panel as an alternate energy initiative in the academic year 2017-2018. The daily generation report is attached as proof. The total power consumption is calculated based on the attached monthly bill.



**Solar Panel View**



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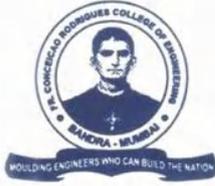
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**Solar meter**



## Solar energy

Fr. Conceicao Rodrigues College of Engineering has taken a Conscious decision to go ahead with this go green project to begin with for 40 KWp roof top Solar Power.

- ✓ Solar electricity is being clean (pollution free), silent, limitless and free.
- ✓ Generate electricity using photovoltaic solar cells.
- ✓ Approved by Maharashtra Energy Development Agency (MEDA) (Govt. of Maharashtra Institution)
- ✓ On-line monitoring procedure for the actual energy generation and the pattern.

**a. Percentage of annual power requirement of the Institution met by the renewable energy sources**

**18.31 %**

**b. Annual power requirement met by the renewable energy sources (in KWH)**

**19,863 units.**

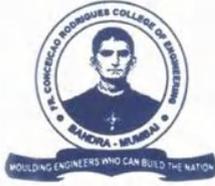
**c. Total annual power requirement (in KWH)**

**1,08,462 units.**

(From Electricity Bill) Total units consumed in college from July 2020 to June 2021 =  
1,08,462 units.

**3. Wheeling to the Grid (KWH)**

**4794 units.**



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Fr.CRCE 40KWp On-Grid Solar PV, BandStand, Bandra West, Mumbai 400050, INDIA Overview

Update Time: 2022-11-22 15:38:15



Power

**8.95 kW**



E-Today

**81.6 kWh**



E-Total

**145.06 MWh**



CO2 Avoided

**116.05 t**



Total Income

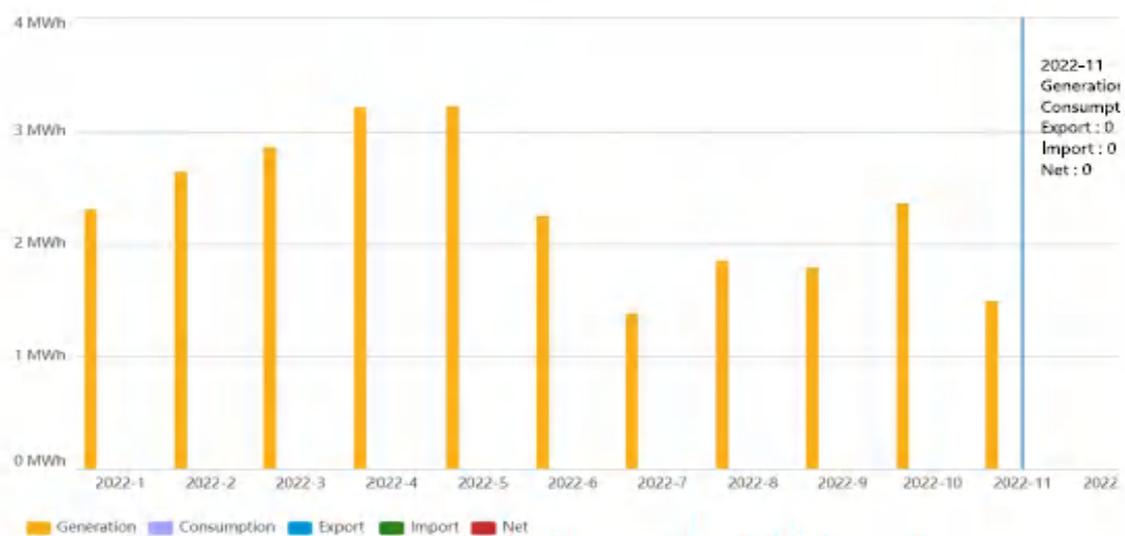
**1645721.6 Rs.**

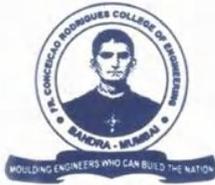
Real-time weather

**N/A**

Day Daily Monthly Annual Annual Yield

< 2022 >





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11/11/21, 3:19 PM

ZeVerCloud : Overview

Fr.CRCE 40KWp On-Grid Solar PV, BandStand, Bandra West, Mumbai 400050, INDIA

Overview

Update Time: 2021-11-11 15:13:19



Power

**8.74 kW**



E-Today

**73.4 kWh**



E-Total

**116.16 MWh**



CO2 Avoided

**92.93 T**



Total Income

**1317844.2 Rs.**

Real-time weather

**N/A**

Day Daily Monthly Annual Annual Yield



11/11/21, 3:19 PM

ZeVerCloud : Overview



| Status | Alias            | Pac(kW) | E-Today(kWh) | E-Total(MWh) | %(E-Today) |
|--------|------------------|---------|--------------|--------------|------------|
|        | ZP033K6011650042 | 8.741   | 73.4         | 119.509      | 100.0      |

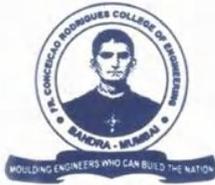
< 1 >

Tips

- Online .
- Uploading Data .
- Offline .

**Solar Power generation report for the year 2021-2022**





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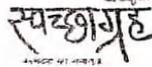
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The power of service



Join us at www.swachhagraha.org to be part of our cleanliness drive



SCAN QR TO PAY YOUR BILL VIA UPI  
 Use any bank UPI App

**adani**  
 Electricity

BILL OF SUPPLY PUBLIC SERVICE-  
 OTHER

**SUPERIOR CHAIRMAN**  
 SOC OF ST FRANCIS XAVIER PILLAR- INDIA  
 AGNEL  
 ASHRAM BAND STAND BANDRA (WEST)  
 NEAR TAJ LAND HOTEL  
 MUMBAI 400050

Mobile No 99\*\*\*\*\*17  
 Email Id ra\*\*\*\*\*64@gmail.com  
 PAN AA\*\*\*\*\*2Q  
 GSTIN

To update your email id and mobile no., call us on 19122



**Electric Smiles**

ACCOUNT NO  
**102690881**

BILL MONTH  
**AUG-21**

DUE DATE  
**30-09-2021**

SMILES EARNED  
**82810**

**DUE AMOUNT**  
**₹ 66180.00\***



Be it distancing from electric poles or replacing damaged electrical components - kindly do your bit to make it a safe monsoon!

**DISCOUNTED BILL AMOUNT**  
 Round sum bill payable (after discount of ₹ 526.82) on or before discount date 16-09-2021 ₹ 65660.00

**LATE PAYMENT BILL AMOUNT**  
 Round sum bill payable (including DPC of ₹ 829.01) after due date 30-09-2021 ₹ 67010.00#

\*Refer only to current bill amount. Previous balance is payable immediately.  
 #Payable until one month after due date, there after interest applicable as per AERC tariff order.

*Handwritten signature*

**MANOJ CHOUHAN**  
 Commercial Management Head  
 (Vandri)

**19122** We're listening.

For power interruption complaint or restoration status  
 SMS POWER 19122 to 9999999999  
 2055110030 from any mobile no.  
 Dial 19122 on 1800 532 9998 from your registered mobile no.  
 WhatsApp: 09999999999  
 Or 9999999999 from any mobile number

Bill No. 100160079948 Bill Date 09-09-2021  
 Bill Distribution No. Vandre/Bandra/33/103///

CUSTOMER CARE CENTRE/CORRESPONDENCE ADDRESS  
 Cycle Point, Opp. Vandre Station, Uran Road, Andheri (W), Mumbai, Maharashtra 400050

www.adanelectricity.com  
 helpdesk.mumbai@adanelectricity.com  
 Join us on

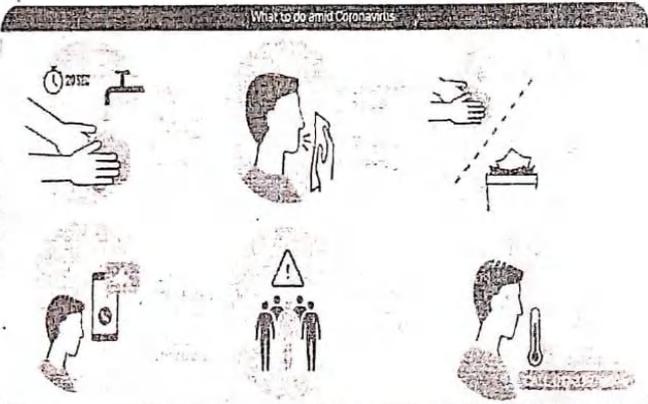
Cycle No. 33 Tariff LT IV (B)  
 Type of Supply LT

**TRACK YOUR CONSUMPTION (UNITS)**

|        |       |
|--------|-------|
| JUL-21 | 7163  |
| JUN-21 | 6145  |
| MAY-21 | 5377  |
| APR-21 | 7030  |
| MAR-21 | 11180 |
| FEB-21 | 6930  |
| JAN-21 | 8387  |
| DEC-20 | 7752  |
| NOV-20 | 7770  |
| OCT-20 | 9604  |
| SEP-20 | 6207  |

**IMPORTANT MESSAGE**  
 • You have opted for MACH. This bill will be paid automatically and is for record only. MACH Mandate No. 8800000000  
 • You have opted for MACH. This bill will be paid automatically and is for record only. MACH Mandate No. 8800000000  
 • Meter reading as on 01-10-2021 will be downloaded for generating bill.  
 • We'll 1st April 2021 Tax Collection at Source at 0.3% (with -10%) and 1% (with -10%) (MACH) applicable for total bill amount in excess of ₹ 50 lakh as of 21-12-20. No cash payment/credit for the bill.  
 • In case of MACH bills in case of A/C of 2015, cash payments from towards electricity bills as per the ₹ 2,000 per account per month for payment of amounts greater than ₹ 5,000 please use convenient digital channels i.e. net/bank/credit cards.

CONSOLIDATED STAMP DUTY PAID BY ORDER NO CSD/320/2021/1293 dated 01.04.2021



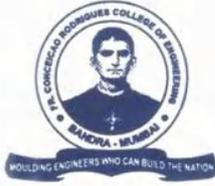
Please quote your account no. 102690881, cycle no. 33 and bank no. 101 in all your correspondence. Also, in case of any change, call the call center.

SAVE A SLIP FOR CHEQUE DROP

If paying by cheque, please remember:  
 • Cheque should be Account payee of local clearing and not post-dated  
 • Always attach payment slip. Do not staple  
 • Cheque should be payable through local clearing  
 • Make cheque payable to Adani Electricity Mumbai Ltd. A/C No.:102690881



0102690881300066180300920210006701000006566016092021  
 Round Sum payable: ₹ 66180.00\* Discounted Amount (Round sum): ₹ 65660.00 Amount after due date (Round sum): ₹ 67010.00#  
 Due date: 30-09-2021 Discount date: 16-09-2021



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**Operating hours considered as 10 Hrs/Day**

| Sr.No.       | Number of LEDs | Wattage     |
|--------------|----------------|-------------|
| 1            | 210            | 15 W        |
| 2            | 10             | 08 W        |
| 3            | 03             | 18 W        |
| <b>Total</b> | <b>223</b>     | <b>41 W</b> |

**Use of LED bulbs**

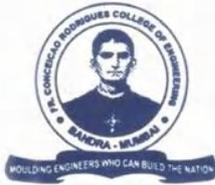
- 1) Annual lighting power requirement (in KWH)  
93,043 units.
- 2) Annual lighting power requirement met through LED bulbs (in KWH)  
9523 units.
- 3) Percentage of annual lighting power requirements met through LED bulbs  
10.24 %.

**Use of Tube lights**

**Operating hours considered as 10 Hrs/Day**

| Sr.No. | Number of LEDs | Wattage |
|--------|----------------|---------|
| 1      | 800            | 36 W    |

- 1) Annual lighting power requirement (in KWH)  
93,043 units.
- 2) Annual lighting power requirement met through Tube lights (in KWH)  
83,520 units.
- 3) Percentage of annual lighting power requirements met through Tube Lights  
89.76 %.



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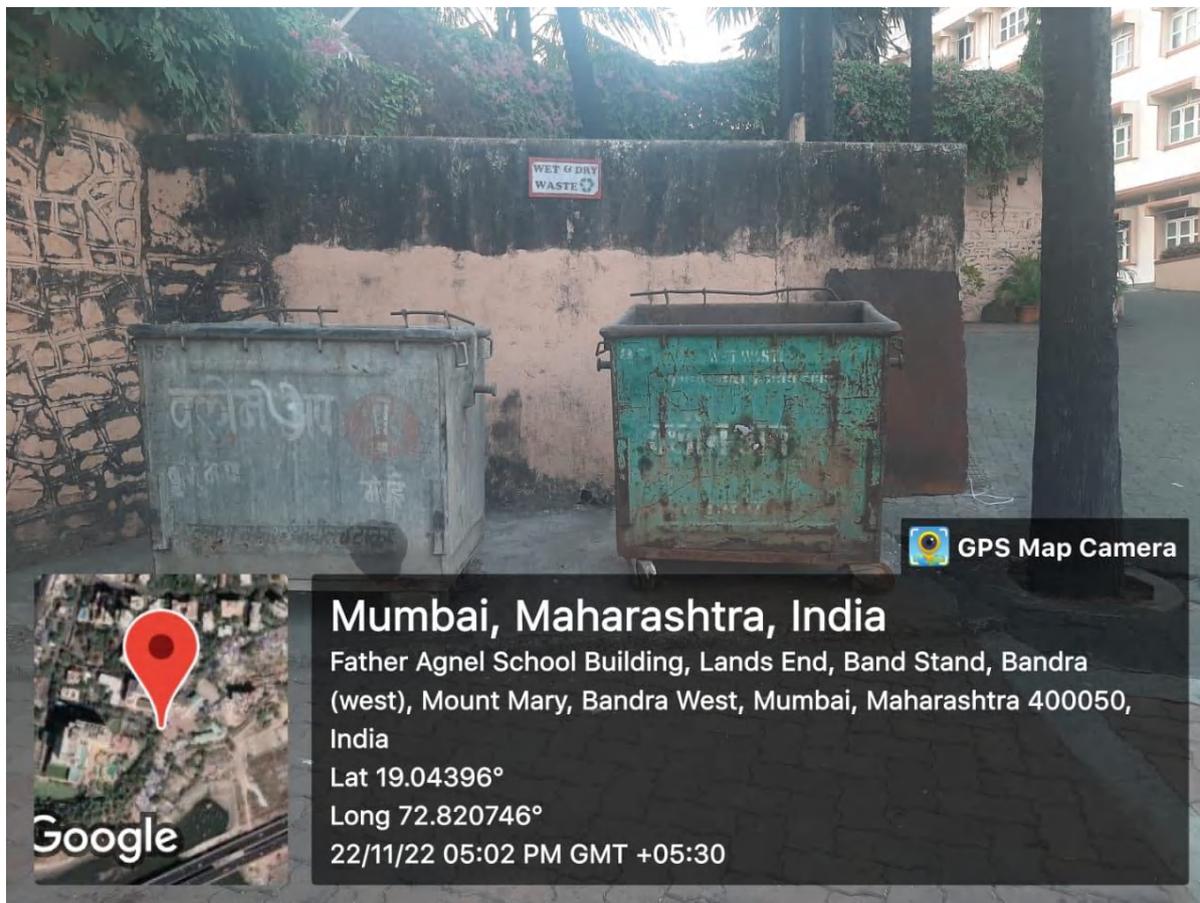
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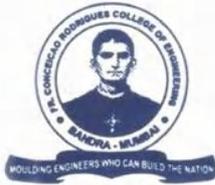
## 2. Management of the various types of degradable and non-degradable waste

The institute has been constantly striving to properly manage different types of waste generated in the campus. The waste generated in the institute is bifurcated into dry and wet waste for different processing by the BMC authorities.



### Wet and dry waste management

The institute also segregates plastic and wood waste which is processed by contacting appropriate vendors dealing with the same.



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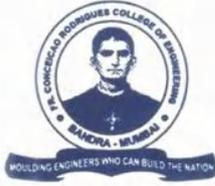
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Non-degradable waste management (Plastic and glass)



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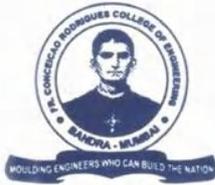
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**Waste Management (Wood)**



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NSS CRCE has also arranged a workshop called as Recycle Fest for recycling waste material. The report of the same is shown below.



NSS CRCE



### REPORT ON RECYCLE FEST

Deadline: 22<sup>nd</sup> October, 2020.

No. of Volunteers attended:34

Every year **NSS CRCE** organizes events through which our members are able to contribute to the society. Be it Bandra Fair Volunteering with Mumbai Police or Multiple Beach Clean-Ups. But this year due to the pandemic, our hand were tied and we were only able to host webinars on various awareness topics. So, we thought of doing something different and interactive. Something through which we can contribute to the society. That's when we organized *Recycle Fest*.

In *Recycle Fest*, all of our members were told to make something useful out of the waste lying around in their house. This waste could be anything like Plastic Bottle, CD's, Shampoo Bottles, etc.

The benefits of Recycling are exceptional. Recycling reduces the amount of waste which would otherwise be sent to landfills. It prevents pollution and saves energy. And, most importantly, it reduces an individual's carbon footprint.

We received an outstanding response from both our NSS Members and Non-Members, with over 40+ students submitting their ideas.

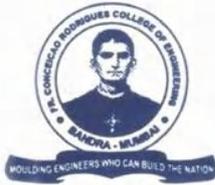
We also had our Top – 15 who had performed wonderfully. Some of the Ideas included Vase from Plastic Bottles, Coffee Coaster, Plant Vase, Diwali Kandeel from Medicine Bottle and a lot more.

The pictures of all these creative ideas have been attached below.









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## NSS CRCE



### Report on Bottles for change.

Place : Bisleri, Andheri [east]

Date : 21<sup>st</sup> august 2019.

Bisleri a leading no one company in beverages and distilled drinking water which was founded in 1965, with the increasing amount of plastic spread which is harming our environment, Bisleri has taken this initiative by showcasing that plastic is not the problem, but plastic waste created by irresponsible human behaviour is the problem this can be only be fixed, by changing our habits.

This initiative taken by bisleri Bottles for Change aims to create awareness among the citizens, about the importance of recycling plastic, and create an effective channel through which the various kinds of used plastic can be sent directly for recycling.

This bisleri initiative bottles for change in collaboration with NSS to make schools colleges and society aware about the condition and recycling of plastic played a important role, we could collect 1 ton of plastic in our college and made all our students and staff aware about this initiative.

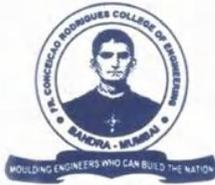
NSS unit of Fr. Conceicao Rodrigues College of Engineering is very thankful to bisleri and NSS to take this initiative for betterment of society and world.

Process in brief :

1. Introduction about bottles for change followed by awareness.
2. Segregation of clean plastic at user end.
3. Collection of plastic by plastic agents.
4. Sending collected clean plastic directly for recycling.



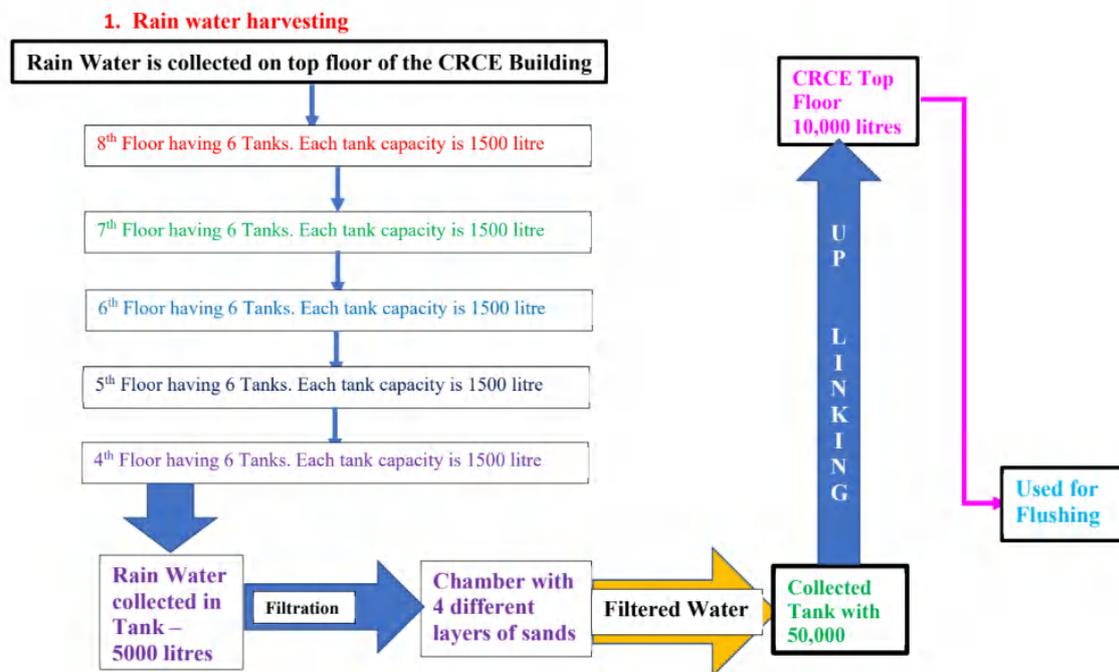
Image : group picture of NSS volunteer in bottles for change awareness session



### 3. Water Conservation

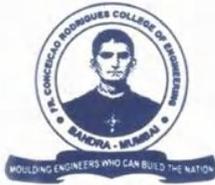
#### Rainwater Harvesting

The provision of sufficient amount of drinking and sanitation water is a major challenge, due to changes in environmental conditions, for humankind in the near future. Institute has taken proactive steps in this direction by recharging and augmenting groundwater reservoirs. A low-cost solution to this water crisis is employed to solve, though to a limited extent, by collecting and storing rainwater. Rainwater harvesting system is implemented as per the concept and design submitted by Rainwater harvesting consultant. The entire working of the rain water harvesting system implemented in the institute is shown in the following flowchart.



**Flowchart of the working of the rain water harvesting system**

According to the above flowchart, the rain water is collected in RCC tanks from 8<sup>th</sup> floor to 4<sup>th</sup> floor. This water is then collected in the underground rain water tank of 5000 lits.



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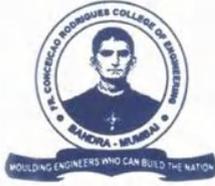
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**Underground rain water tank**

The water collected in underground rain water tank is then filtered in the filtration chamber. Sand filter is employed for the treatment of water to remove turbidity, color and microorganisms. The sand filter has four layers where the topmost layer is made up of coarse sand followed by layer of gravel followed by another layer of gravel and boulders. The filtration chamber is shown in the following diagram.



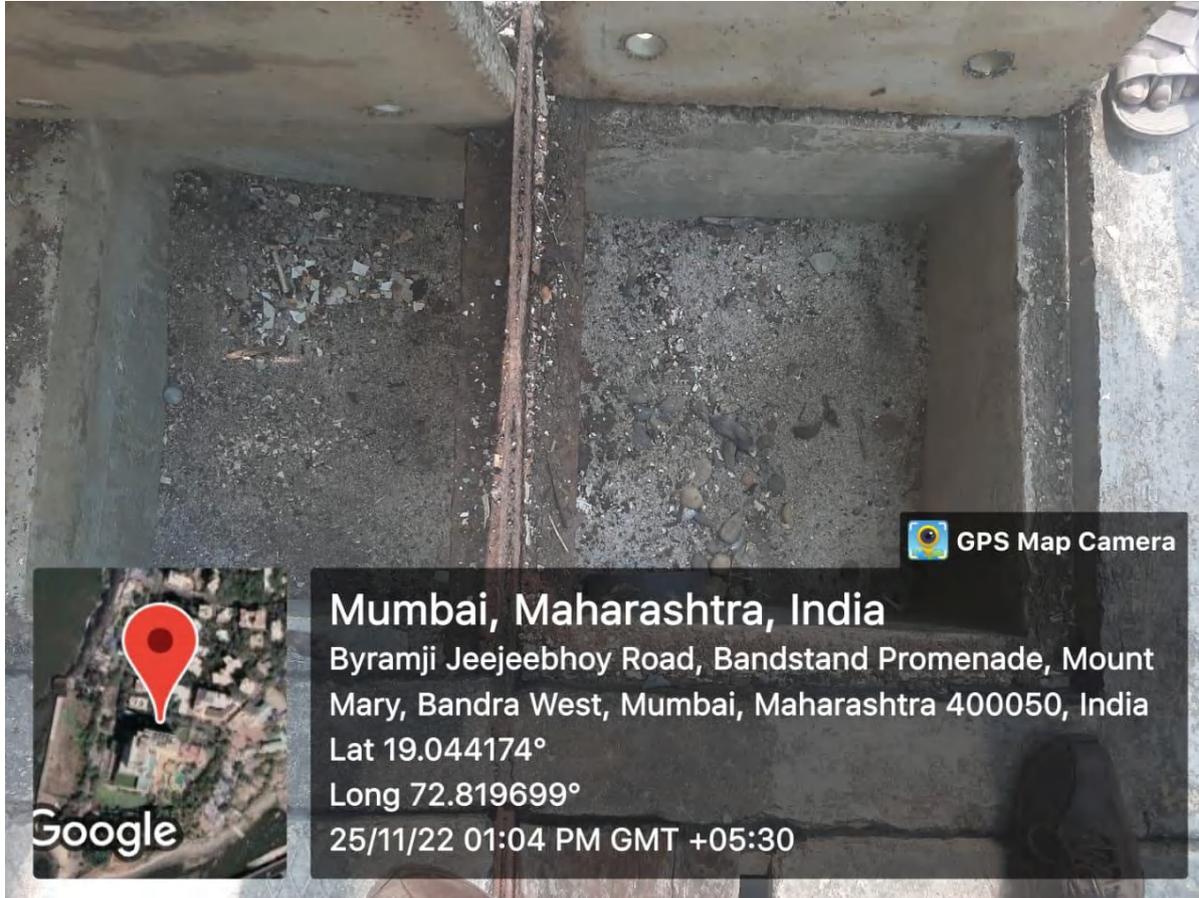
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**Mumbai, Maharashtra, India**

Byramji Jeejeebhoy Road, Bandstand Promenade, Mount

Mary, Bandra West, Mumbai, Maharashtra 400050, India

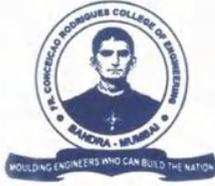
Lat 19.044174°

Long 72.819699°

25/11/22 01:04 PM GMT +05:30

**Filtration Chamber**

The filtered water is then pumped to rain water harvesting tank on the college terrace with a 10000 lits. capacity.



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Phone : (022) 6711 4000, 6711 4101, 6711 4104

Website : [www.frcrce.ac.in](http://www.frcrce.ac.in) • Email : [crce@fragnel.edu.in](mailto:crce@fragnel.edu.in)



 GPS Map Camera



**Mumbai, Maharashtra, India**

2RVC+R28, Mount Mary, Bandra West,

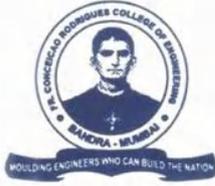
Mumbai, Maharashtra 400050, India

Lat 19.044435°

Long 72.820237°

25/11/22 01:06 PM GMT +05:30

**Pumping facility to pump filtered water to rain water harvesting tank**



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GPS Map Camera

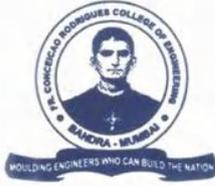


**Mumbai, Maharashtra, India**

Bandstand Building, 2RVC+P7P, Kane Road, Mount Mary, Bandra West, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India

Lat 19.044424°  
Long 72.820765°  
29/11/22 02:42 PM GMT +05:30

**Rain water harvesting tank with capacity of 10000 lits.**



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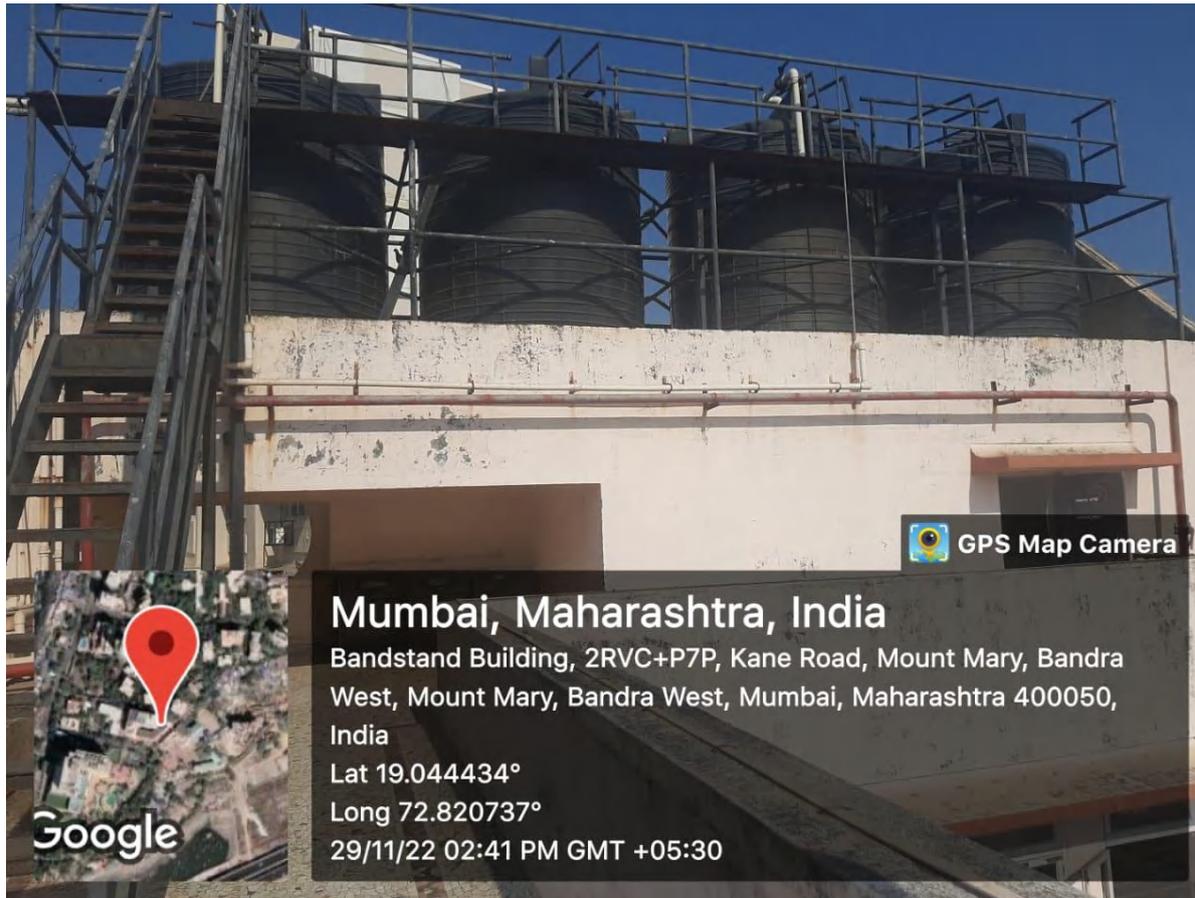
(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

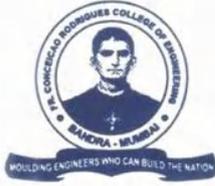
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The water from the rain water harvesting tank is connected to storage tanks of BMC water supply and the water is used for the sanitary purpose.



**Four Water tanks with 15000 lits. capacity**



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**Mumbai, Maharashtra, India**

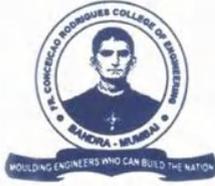
Bandstand Building, 2RVC+P7P, Kane Road, Mount Mary, Bandra West, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India

Lat 19.044516°

Long 72.820689°

29/11/22 02:44 PM GMT +05:30

**Outlet pipes for rain water harvesting**



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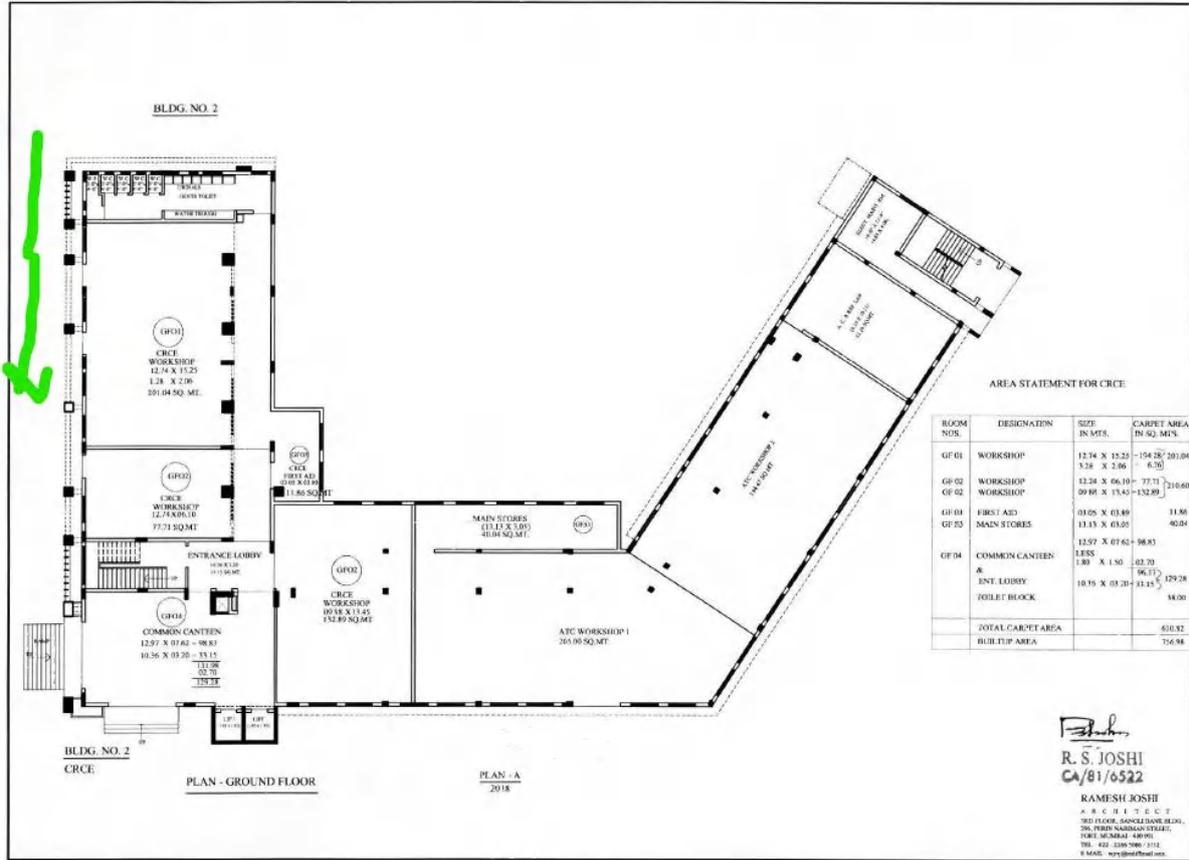
(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

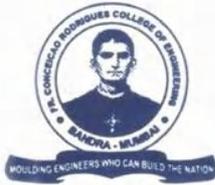
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The floor plan of the college building with rain water harvesting tanks is given below.



**Floor plan with rain water harvesting tanks highlighted**



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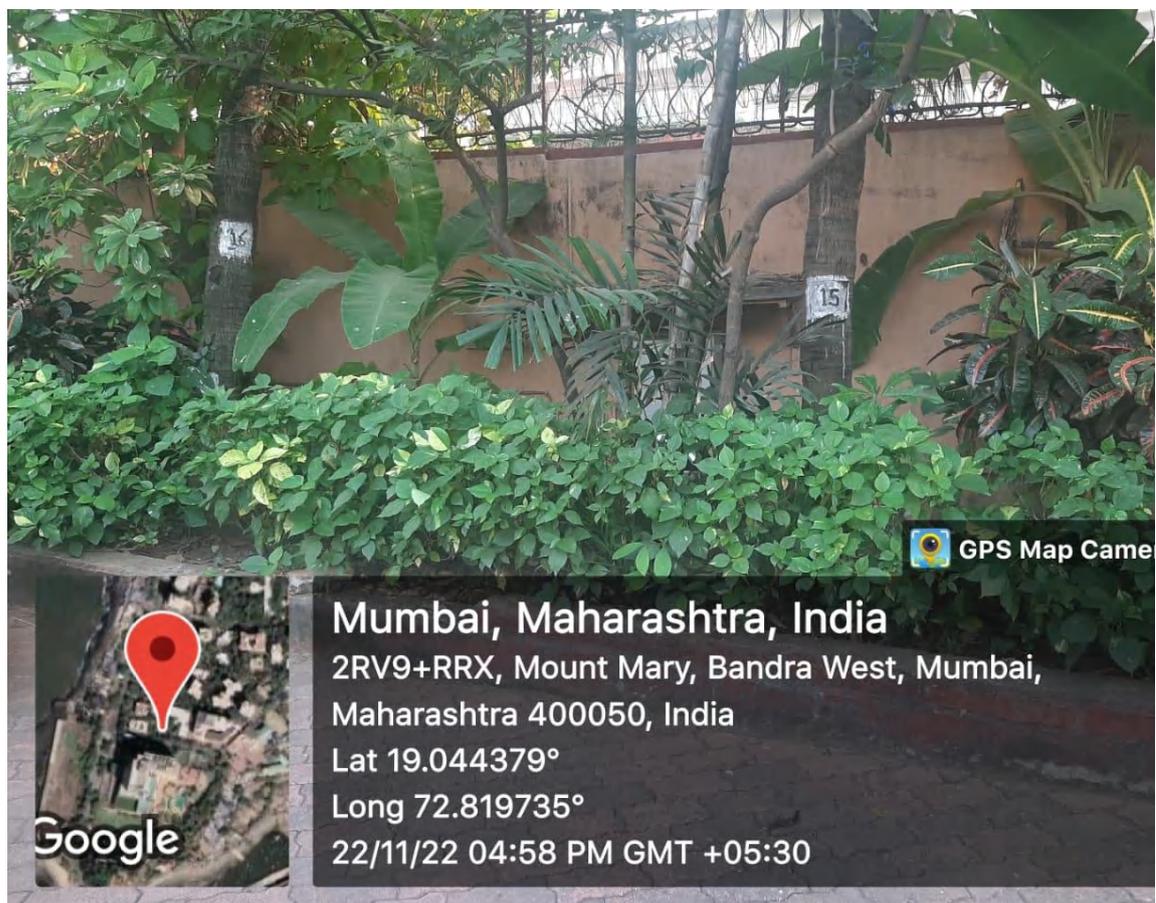
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 6711 4101, 6711 4104

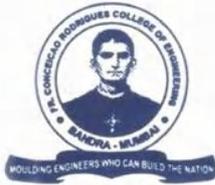
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## 4. Green Campus Initiatives

The institute is surrounded by local trees planted in the campus. Some of the trees in the campus are Coconut, Badam, Asoka, Black jamun, Jackfruit, Chiku, Mango, Neem etc. The NSS CRCE also conducts events related to tree plantation in the campus at regular intervals. The images of some of the trees in the campus are given below.



**Trees in the campus with numbers for identification**



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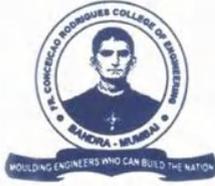
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**Trees planted during tree plantation drive by NSS CRCE**



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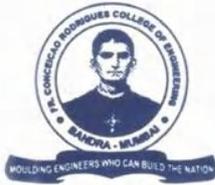
**Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.**

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**Trees in the campus**



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## NSS CRCE



### REPORT ON TREE PLANTATION IN COLLEGE

Date: February 15<sup>th</sup>, 2022

February 15<sup>th</sup>, 2022, Mumbai

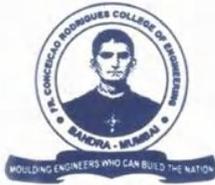
The NSS unit of the institute had organized Tree Plantation at Fr. Conceicao Rodrigues College of Engineering. The Council members of NSS first of all took all the saplings to the college. All volunteers and council members were assigned the task to plant flowering and non-flowering plants in a pot and some other basic gardening work.

In all 30 trees, were planted on the occasion, in which 15 are flowering plants and 15 were of non-flowering plants.

All the members took active participation. It was indeed a great experience.

**Glimpses of the activity are as follows:**





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**NSS CRCE**



**REPORT ON 1-Week Terrace Garden Project**

**Date: 18<sup>th</sup>-24<sup>th</sup> August 2019.**

**Place: Fr. Conceicao Rodrigues College of Engineering.**

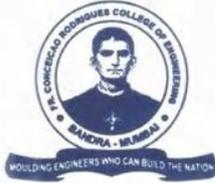
Plantations of trees is important as they improve the life and fulfil essential needs of mankind. During photosynthesis, the trees breakdown food materials and consume carbon dioxide. Resultantly with the help of sunlight, the trees produce carbohydrates. Moreover, trees support life by providing habitat to different species such as squirrels, bees and birds. Trees cleanse the climate by absorbing carbon dioxide from the environment and releasing oxygen. The trees cool the environment through their leaves by absorbing the sun heat. Thus, there occurs cooling in the atmosphere. The trees provide shades to houses and streets.



*Image : fund raising stall.*

Trees clean the air by absorbing harmful chemicals such as nitrogen oxide and removing dust particles from the air by absorbing them in their leaves. Another importance of planting trees is that they save the water from impurity. Trees stop water pollution by breaking the direct fall of rainfall to the ground. Through trees, we make furniture and produce materials like books and papers. Trees help to relax and to reduce blood pressure. Different species of trees also relax the mood of people.

We had kept a proper fund raising program and list of those who have donated and their record we had kept crystal clear with everyone our principal and director supported and helped us a lot for this initiative.



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•  
**Pre-planning of the project**

Our college has had a long standing tradition of preservation of culture, heritage and flora and fauna. In order to sensitize students towards the need to preserve our environment and ecology, tree plantation drives are organised in our college from time to time. One such drive was held during 18<sup>th</sup>-24<sup>th</sup> August.

Firstly our college performed a fund raising campaign for the tree plantation project. Many students showed keen interest in donating for the project and most of the fund required were provided by our college. Then the collection of things started accordingly. Firstly to make the pots for planting the plants we collected old drums, cut them to half and recycled them. Then after soil and compost were collected to give nourishment to the plants for further growth.

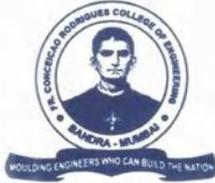
In this pre-planning I with my fellow mates had to get things delivered drums cut compose mixed and keep ready for planting.



*Image: Preparations for the tree plantation*

Afterwards we collected plants from local nurseries which included some basic fruit and normal plants which included;

- Guava
- Kaju(Cashew)
- Lemon
- Hibiscus
- chickoo ,etc.



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- **Initiation of the tree plantation**

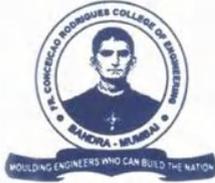
On the first day i.e, on 18<sup>th</sup> of August our NSS unit members gathered together for the project as per the given schedule. Then the plants were planted accordingly with great interest by our NSS members as instructed by our teachers. Our NSS unit showed keen interest while planting the plants and filling the pots with soil and compost. All the pots were labelled based on the tree planted in them.

As this day was special we had to keep everything ready and our plants are to be planted finally.



saplings.

*Image: Plantation of*



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- **Inauguration**

After all the plantation was done, our director, 'Fr. Valerian Dsouza' and principal 'Dr. Srija unnikrishnan' inaugurated the terrace garden project and watered the plants with various other faculty members planting samplings.



*Image: Inauguration ceremony*

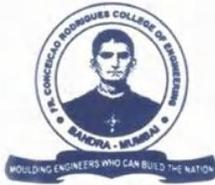
The project took place in a good shiny area within the college premises. Its motive was to;

- Provide more greenery to our college premises.
- Keep the surrounding air healthy and clean
- Provide food and fruits
- Add unity to in our NSS team and rise team-spirit

Our NSS members gathered after college and happily contributed towards the initiative. We hope our efforts do not go in vain and give us good outcomes. Various plants are thus set up and we take care of it on regular basis and water idaily. Thus, this was the little we contributed towards our planet, for its better future.



*Image: Sampling planted on terrace garden .*



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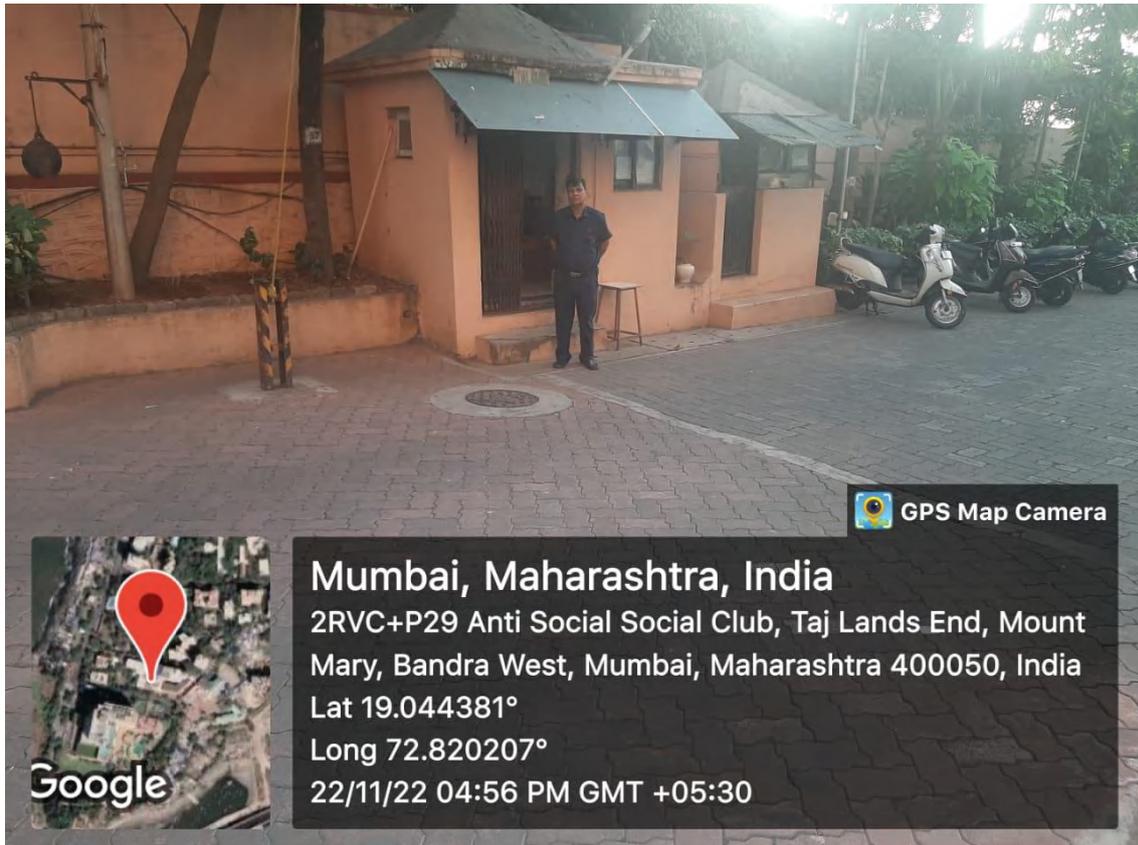
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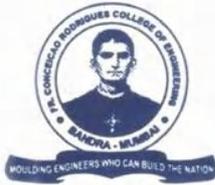
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The institute has restricted entry for automobiles. All the automobiles are parked in a stipulated area beyond which they are not allowed to enter in the campus to keep the pollution level at the minimal.



**Restricted entry for the automobiles**





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fragnel.edu.in:7676/Atten/myAtten.php - Google Chrome  
 Not secure | fragnel.edu.in:7676/Atten/myAtten.php

Fr. Conceicao Rodrigues College of Engineering

Academic Records

| Attendance Entry |  |
|------------------|--|
| Faculty Name     | Saurabh K. Kulkarni                    |
| Subject Name     | Artificial Intelligence - Theory       |
| Branch           | Artificial Intelligence & Data Science |
| Week No.         | 21                                     |

|  |                      |
|--|----------------------|
| No. of Alloted Classes in this week [As per Timetable] | <input type="text"/> |
| No. of Classes Conducted in this week                  | <input type="text"/> |

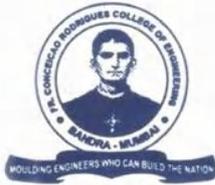
| Roll No. | Student Name                 | Previous Week(s) Attendance | This week Attendance |
|----------|------------------------------|-----------------------------|----------------------|
| 9352     | ANABATHULAOMKARGOVARDHAN     | 31 / 36 ( 86.11 % )         | <input type="text"/> |
| 9353     | BARWELLBORNRICHARD           | 34 / 36 ( 94.44 % )         | <input type="text"/> |
| 9354     | BARNESVINCENTVICTOR          | 29 / 36 ( 80.56 % )         | <input type="text"/> |
| 9355     | /BHALEKARRHEANILESH          | 22 / 36 ( 61.11 % )         | <input type="text"/> |
| 9356     | BILALAHMEDMOHAMMEDFARRUKHHAR | 22 / 36 ( 61.11 % )         | <input type="text"/> |
| 9357     | BODKHESAHILSAMBHAJI          | 27 / 36 ( 75.00 % )         | <input type="text"/> |
| 9358     | /CARVALHOLEMMIESTEPHEN       | 25 / 36 ( 69.44 % )         | <input type="text"/> |

**Student attendance monitoring system**

Fr. Conceicao Rodrigues College: x Other Services x CRCE - Staff Register x Inbox (3) - saurabh.kulkarni@fro: x +  
 Not secure | granth.fragne.ac.in:5186/staff/St\_Detail\_S.php

| Edit  | Increment                                | Family/Nominaton | Pay Slip | Logout |
|---|--|------------------|----------|--------|
|  |  |                  |          |        |
| Emp. No. : 10525  |  |                  |          |        |
| Name : Mr. Saurabh Keshav Kulkarni  |  |                  |          |        |
| Designation : Assistant Professor   |  |                  |          |        |
| Department : Artificial Intel & Data Scinece  |  |                  |          |        |
| Nature of Appointment : Regular [Fulltime]  |  |                  |          |        |
| Join Date : 02-01-2013  |  |                  |          |        |
| Personal Details  |  |                  |          |        |
| Title   | Mr.                                      |                  |          |        |
| First Name  | Saurabh                                  |                  |          |        |
| Middle Name   | Keshav                                   |                  |          |        |
| Sur Name  | Kulkarni                                 |                  |          |        |
| Old Name  |  |                  |          |        |
| Father Name   | Keshav Kulkarni                          |                  |          |        |
| Mother Name   | Mugdha                                   |                  |          |        |
| Gender  | Male                                     |                  |          |        |
| Birth Date  | 07-09-1987                               |                  |          |        |
| Category  | OPEN                                     |                  |          |        |
| Religion  | HINDU                                    |                  |          |        |
| Residential Address   | B-501, Sai Tower<br>Near Old MHB Colony. |                  |          |        |

**Employee records management system**



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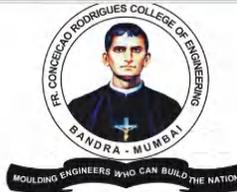
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**Fr. Conceicao Rodrigues College of Engineering**  
Extracts of Service Book

Select

**Personal Information**

- Personal Information
- General Information [Nomination, Family Details etc.]
- Information on Pay Scale, Increments, Promotions etc.

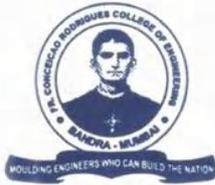
**Leaves**

- Leave Application [New Leave Application]
- List / View Status of Leave Application(s)
- Leave Register [w.e.f 2010-07-01]
- Leave Synonyms Descriptions

**Attendance**

- Attendance Records [Current & Previous Calender Year]

**Leave and Biometric management system**



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classroom.google.com/w/MjYwNTEzMTY0Nzgzt/all

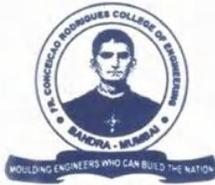
Big Data Analytics  
2020-2021

Stream **Classwork** People Grades

### Big Data Analytics Applications

- ppt on social network and types Posted May 8, 2021
- Recording of 7May lecture on social networ... Posted May 8, 2021
- ppt on HITS algorithm Posted May 7, 2021
- Recording of 7May lecture on HITS algorithm Posted May 7, 2021
- ppt on PR calculation using MR, topic sensiti... Posted May 6, 2021
- Recording of May 6 lecture on PR calculatio... Posted May 6, 2021
- ppt on dead ends, spider trap and use of pa... Posted May 6, 2021
- Recording of May 6 lecture on dead ends, s... Posted May 6, 2021

### Course management system



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NSS CRCE has organized seminars on climate changes and carbon footprint to create awareness among students and staff. The reports of those seminars are shown below.



**NSS CRCE**



**Report on climate change seminar.**

**Place : Fr. C.R.C.E**

**Date : 22<sup>nd</sup> June 2019.**

Climate change is having serious impacts on the world's water systems through more flooding and droughts. Warmer air can hold a higher water content, which makes rainfall patterns more extreme.

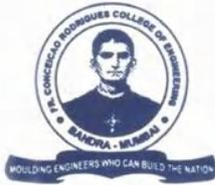
Rivers and lakes supply drinking water for people and animals and are a vital resource for farming and industry. Freshwater environments around the world are already under excessive pressure from drainage, dredging, damming, pollution, extraction, silting and invasive species. Climate change only exacerbates the problem and makes this worse. Extremes of drought and flooding will become more common, causing displacement and conflict.

NSS unit of Fr. Conceicao Rodrigues College of Engineering took this step to make everyone aware about the changes and that they should take certain action or measures for better world. we conducted seminars by showcasing presentation and showing video clips of what is happening in their surrounding. This carried on for a month where each day at least two seminar were covered according to time table.

My role as a leader was to organize seminars take permission and conduct it. I would like to thank our dean Dr. V. B. Bhoir who helped in arranging class and organize seminar smoothly.



Image : our member taking presentation.



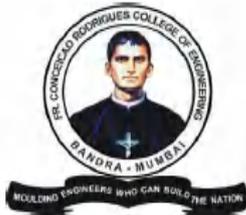
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**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

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NSS CRCE



REPORT ON CARBON FOOTPRINT  
WEBINAR

Date: 27<sup>th</sup> September, 2020.

Place: Online Workshop

No. of Volunteers attended:65

Carbon Emissions have increased at an alarming level! One of the major reasons of Global Warming are Carbon Emissions. In fact, they account for more than 76% of the Greenhouse gases. They impact our planet and the climate change significantly.

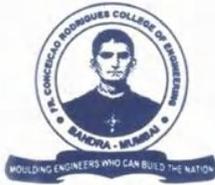
Thus, it becomes really important for us to be aware of all the necessary information, so that we can make a change! Keeping that in mind, we at NSS CRCE, organized an Online Workshop on Carbon Footprint with Only Planet.

One of the members of Only Planet, Sunita Rajesh, provided us with all the information on Carbon Emissions, Carbon Footprint, and about the alternatives which we can make everyday to lower our Carbon Footprint. For Example – Using Reusable Masks and Gloves rather than the Disposable ones.

She spoke about the different greenhouse gases, about the extensive use of plastic and how drastically it has affected our planet. She went on with the major contributors of Carbon Emissions, which is Transportation, Electricity and Industry.

To make our members understand better about Carbon Footprint, she demonstrated on how to use the Carbon Footprint Calculator. This calculator approximately measures your carbon footprint which you have been contributing to the planet, knowingly or unknowingly. Many Students volunteered and calculated their footprint along with Sunita Ma'am.

This was followed by a very active Q & A session, which included questions like, What should be an Ideal Carbon Footprint, How does eating non - veg promote more Carbon Footprint and many more.



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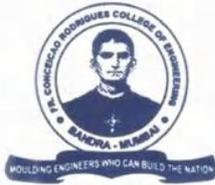
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## 5. Disable-friendly environment

The Institute has a wheel chair facility for Divyangajan. The campus has a ramp for smooth movement of the wheelchair. The facility of washroom with ramp is also available for the Divyangajan.



**Wheelchair for Divyangajan**



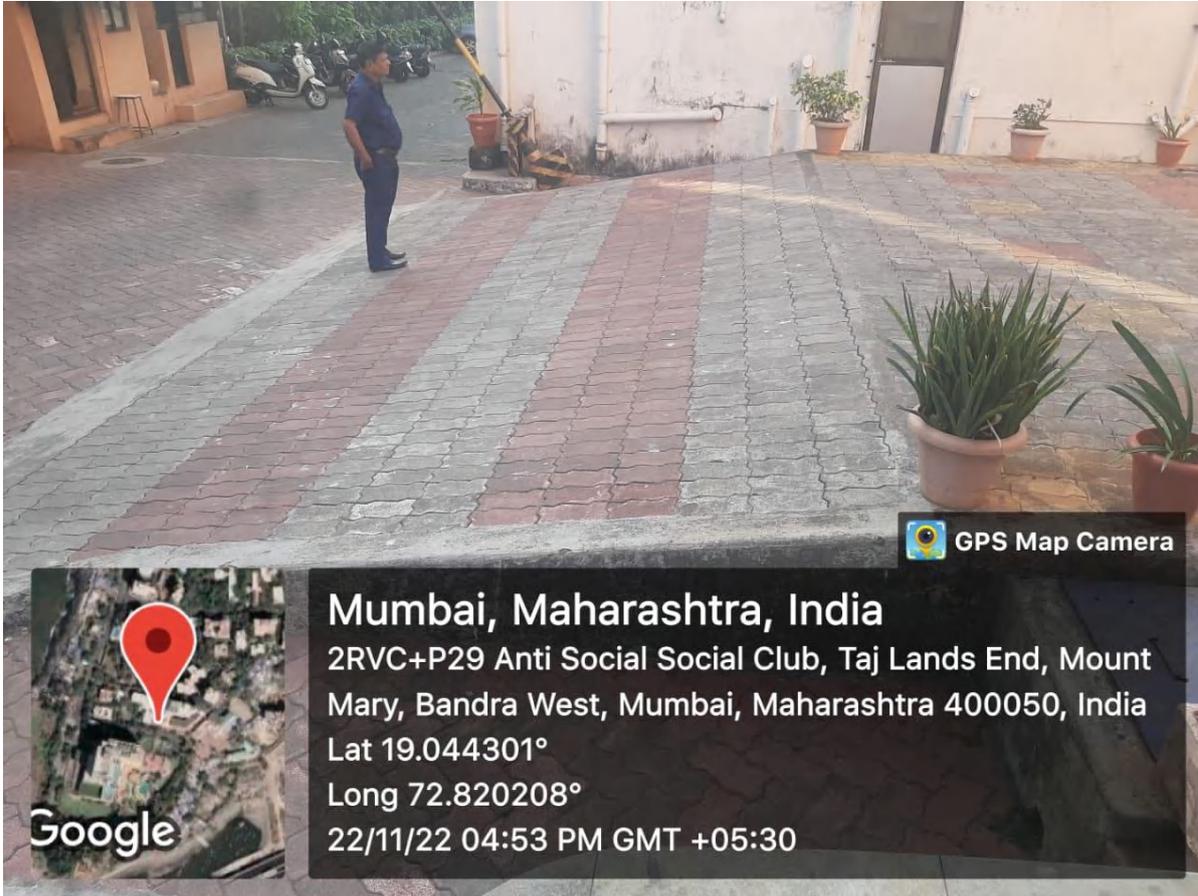
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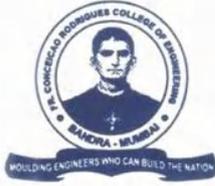
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Mary, Bandra West, Mumbai, Maharashtra 400050, India  
Lat 19.044301°  
Long 72.820208°  
22/11/22 04:53 PM GMT +05:30

**Ramp**



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**Washroom for Divyangajan with ramp**