

# Best Practices 2019-20

## Best Practice I:

### Title: Miyawaki Urban Dense Forest

#### Objectives of the Practice:

To implemented an innovative Miyawaki Urban Dense Forest project in the campus based on the Japanese Miyawaki technique, known for creating dense, native forests in urban areas in a short period.

#### The Context:

The green cover in the campus has significantly decreased after creation of Joggers Track. There was an urgent need to undertake afforestation on large scale. Department of Botany has initiated an innovative concept of Dense Urban Forest based on Japanese technique of Miyawaki Forest to increase the green cover. The high cost in implementation was proving to be a major deterrence for such initiative hence the funding options under CSR activities were explored. HDFC Life agreed to fund the project under their CSR activities.

#### The Practice:

##### 1. Implementation and Planting:

More than 1250 saplings of 32 native tree species were planted in approximately 2000 square feet of college premises.

The project was executed on August 22, 2019, under the CSR (Corporate Social Responsibility) scheme of HDFC Life.

##### 2. Ground preparation:

The ground was prepared by removing the stones/debris up to three feet.

Green manure and compost was used as the fertilizers.

No chemical fertilizer/pesticide was used.

##### 3. Irrigation

A water tank of 5000 L capacity was installed at a height of 15 feet and water was pumped through the college well.

Drips were laid throughout the plantation area.

De-weeding exercise was also carried out regularly to get rid of unwanted plants.

### **Evidence of Success:**

- ✦ Within a year of planting, the saplings grew to a height of more than 6 feet, demonstrating robust growth and health due to the Miyawaki technique's intensive planting and nurturing methods.
- ✦ The rapid growth and lush appearance of the forest highlight its effectiveness in creating a dense green cover in an urban setting.
- ✦ The Miyawaki Urban Dense Forest project at Ismail Yusuf College is recognized as one of the exemplary initiatives in the city aimed at enhancing green spaces and biodiversity.
- ✦ It serves as a model for sustainable urban forestry, showcasing how densely planted native species can thrive and contribute to environmental sustainability.
- ✦ The College has planned to undertake similar Miyawaki plantation on large scale.

### **Problems Encountered and Resources Required:**

- ✦ Getting CSR funds is a major issue.
- ✦ The plantation site gets quickly covered with weeds due to availability of nutrition.
- ✦ Regular site visits required.





22<sup>nd</sup> August 2019



22<sup>nd</sup> August 2021

**Photographs visually demonstrate the project's success and impact.**

## **Best Practice II:**

### **Title: Murals**

#### **Objectives of the Practice:**

Beautification of the college boundary wall facing the Western Express Highway and upcoming Metro line.

#### **The Context:**

The college has one of its boundary wall along the Western Express Highway spreading over 800 ft long wall and stands at a height exceeding 70 feet.

Ismail Yusuf College has undertaken the creation of one of Mumbai's largest murals, located on the highway-facing wall of the college. The idea was to create a designated selfie spot and extensive murals that portray the essence of Mumbai city life.

#### **The Practice:**

##### **1. Scale and Dimensions:**

The mural spans an impressive length of 800 feet and reaches a height of over 70 feet, making it one of the most extensive murals in Mumbai.

##### **2. Theme and Depictions:**

The mural portrays various facets of life in Mumbai, showcasing landmarks, cultural diversity, and notable personalities associated with the city.

It serves as a visual narrative celebrating the essence and vibrancy of Mumbai's cultural and historical heritage.

##### **3. Community Engagement:**

The mural has garnered significant attention and admiration from both locals and visitors, becoming a popular attraction and a point of pride for the community.

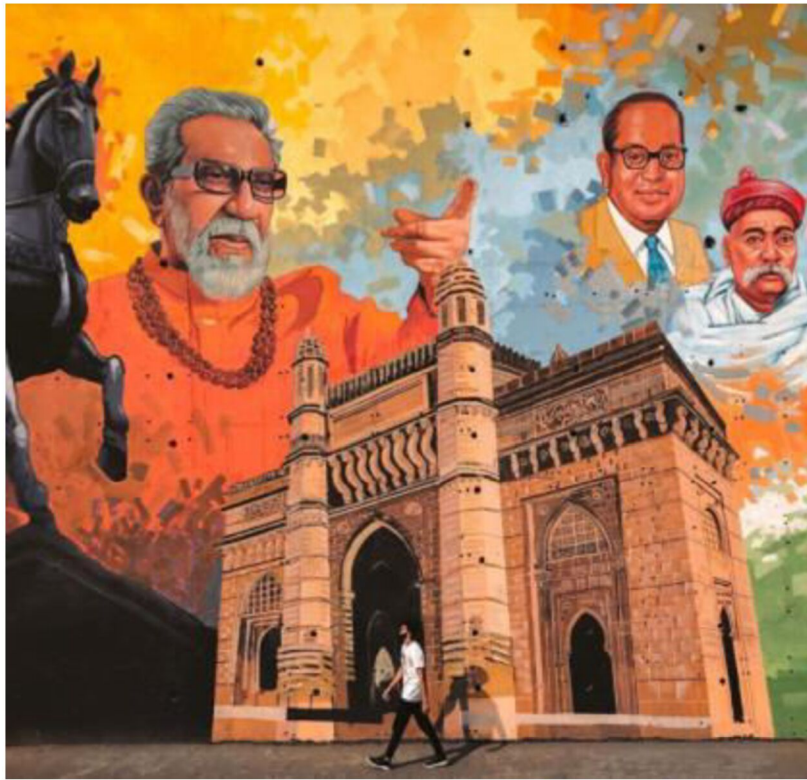
A designated selfie point with the inscription "I LOVE JOGESHWARI" near the mural enhances its appeal as a cultural and social landmark.

### **Evidence of Success:**

- ✦ This mural has quickly become a renowned landmark within the city.
- ✦ The mural contributes to the beautification of the college surroundings and promotes cultural awareness among students and the community.
- ✦ It serves as a symbol of civic pride and identity, fostering a sense of belonging and connection among residents of Jogeshwari and beyond.
- ✦ It regularly features in newspaper, vlogs, reels and other social & print media.

### **Problems Encountered and Resources Required:**

Periodic maintenance and conservation efforts to preserve the mural's integrity and aesthetic appeal over time is a tough challenge.





**Murals: Bringing a smile to commuters' faces ....**





**Selfei Point: “आय लव जोगेश्वरी” along the boundary wall.**

## **Best Practice II:**

### **Title: Firing Range & Obstacle Track**

The College has one of the oldest NCC Corps in Mumbai. Many cadets take up uniformed services bringing great laurel to the College and the community as a whole. Ismail Yusuf College is the only College in Mumbai with Modern Shooting Range for NCC Students. No other college has such facility for NCC Cadets. Creation of such facility will motivate and help to bring out the best from the cadets.

#### **Objectives of the Practice:**

To acknowledge the need of NCC cadets for advanced training facilities, the college has introduced a state-of-the-art Shooting Range and Obstacle Track exclusively for NCC students. The College is the ONLY institution in Mumbai providing these specialized facilities in the same campus.

#### **The Context:**

Ismail Yusuf College was among the list of colleges where NCC Corps was introduced for the first time in Mumbai. The college has one of the oldest NCC Corps running successfully in Mumbai. NCC division has significantly contributed in producing cadets who excel in uniformed services, bringing honor to both the college and the community. Recognizing the importance of providing advanced training facilities, the college has established a modern Shooting Range & Obstacle Track.

#### **The Practice:**

##### **1. Modern Shooting Range**

The college has developed a state-of-the-art 25 M Shooting Range dedicated to NCC cadets. This facility includes modern equipment and infrastructure designed to enhance marksmanship skills and precision shooting.

Having exclusive access to a Shooting Range enables cadets to train effectively and participate in shooting competitions with confidence and competence.

NCC Cadets fire by .22 & .33 rifle on 1×1 target at the distance of 25 m.

NCC Battalion is in charge of getting the rifles & ammunition from their headquarter.

FIRST Mumbai College to have such facility

## **2. Obstacle Track:**

In addition to the Shooting Range, the college has also developed an Obstacle Track for physical fitness training and military drills.

Obstacle training facility of 150 m track with following 10 obstacles is developed for Cadets.

- 1) Straight Balance
- 2) Clear Jump
- 3) Zig Zag Balance
- 4) Wall
- 5) Double Ditch
- 6) Right-Hand Wall
- 7) Left-Hand Wall
- 8) Gate Wall
- 9) Dam-Dama
- 10) Straight Balance

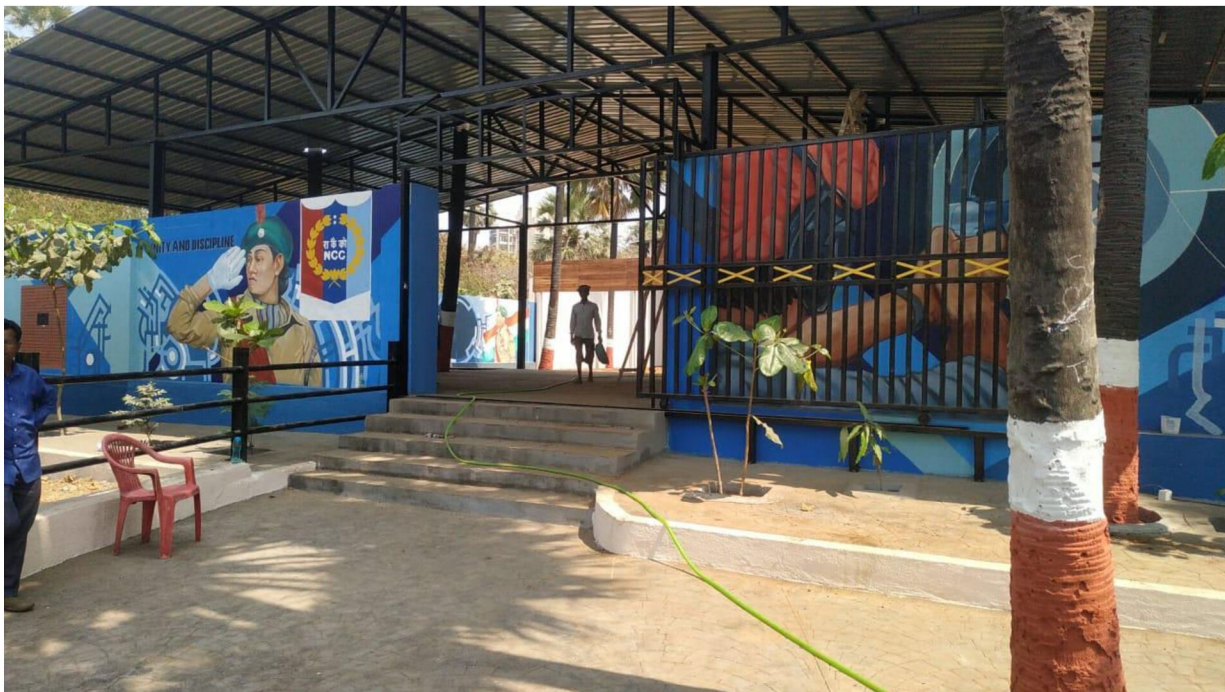
The Obstacle Track provides cadets with opportunities to improve agility, endurance, and teamwork skills essential for military and paramilitary services.

### **Evidence of Success:**

- ✚ 3 MAH & 5 MAH Battalion are regularly conducting their selection round for Shooting Competitions.
- ✚ The presence of these facilities enhances the college's reputation as a center for comprehensive NCC training in Mumbai.
- ✚ The establishment of a modern Shooting Range and Obstacle Track at Ismail Yusuf College underscores its commitment to nurturing disciplined and skilled cadets capable of excelling in uniformed services. These facilities not only enhance training capabilities but also instill values of discipline, leadership, and teamwork essential for successful careers in defense and public service.
- ✚ The establishment of the Shooting Range is a testament to the college's commitment to supporting NCC training and fostering excellence among cadets.
- ✚ It serves as a motivational factor, encouraging cadets to strive for excellence and achieve their full potential in competitive and service-oriented roles.

## Problems Encountered and Resources Required:

- ✚ Manpower for periodic maintenance.
- ✚ Future expansion and upgradation of the facilities to accommodate more advanced training methodologies and cater to a larger number of NCC cadets.
- ✚ Strengthen partnerships with defense and paramilitary organizations to facilitate specialized training sessions and workshops for cadets.



**Firing Range**



**Firing Range**



**Straight Balance**



**Zig-Zag Balance**



**Wall**



**Right-Hand Wall & Left-Hand Wall**



**Double -Ditch**