



Annual Report
National Service Scheme, IIT Bombay
(July'12- April'13)

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NSS Team and Departments

NSS Team consists of 2 Faculty Coordinators –Prof V.Jothiprakash from Civil Engineering Department and Prof Anand Rao From CTARA.

The student team consisted of -

Overall Coordinator- Rachit Thukral

Head of Educational Outreach Department- Khushbu Meena and Suranjan Sen

Head of Vikas Department- Vishnu Vinjam

Head of Events Department- Subhash Meena

Head of Green Campus Department- Prudhvi Mohan

Common Activities

Orientation- Orientation was conducted twice in this semester for the first year students(1st orientation for the students who had NSS as their first preference and 2nd orientation for the rest). Approximately 100 students had filled NSS as their first preference and hence the program could be started earlier. Most of these students were allotted departments of their preference. The second orientation was for students who had not opted for NSS as their first preference and the total strength of NSS came to approximately 220.

Documentary Screening -A session was organized with Smile foundation in which the movie "I am Kalam" was screened in F.C. Kohli Auditorium to give students an overview of how some children are deprived of education. The screening was followed by an interactive session with the students where students shared their views on the movie and state of education in the country.

RTI workshop- RTI session was organized in F.C. Kohli Auditorium which was attended by students from all NSS departments. This session was conducted by Mr Shailesh Gandhi, who formerly was an Information Commissioner with the Central Information Commission, New Delhi.

Penalty sessions- Various penalty sessions were conducted in most of the departments to compensate the sessions missed by certain students. Carry bags made out of newspapers and notebooks made out of one sided used paper were made during these sessions. Notebooks were distributed in Abhyasika Centre in Phulenagar and in NGO ASHA. Newspaper bags were distributed in NGO ASHA and IIT Bombay Hospital Dispensary.

Activities of Vikas

Semester 1

Activities of Vikas were centred around Sustainability and Environment. The aim was to understand the issue in all its facets and in the journey, try our hand on few measures and initiatives that would bring a positive impact on our surroundings and on ourselves.

One Sided Paper Collection-A hugely popular initiative to reuse potentially wasted paper in the institute was one of the major activities of this semester. It involved collecting one-side printed paper from across offices and departments. Few drop-boxes had been put in high output places like Academic office and department offices. Papers were also collected from Hostel Xerox shops, another place where potentially huge paper is wasted.

Photo Walk-We come across a lot of inefficiencies and unnecessary wastage of resources around us in daily life. Lights in room, fans in lounges and much more. If such waste is to be cut, then people have to first see and then change it. So we organised a photo walk, where students were sent to different places and asked to take pictures of those observations and set them right.

Techfest Green Campus Challenge-Techfest this year, organised an inter college green campus challenge and students from Vikas Department have contributed to the IITB-TGCC team. Students were divided into teams of three and researched on various topics related to sustainability and environment.

Students worked on issues like waste management in campus and city, bio-diversity in our surroundings, fertilisers; bio-medical waste in hospitals, water consumption; e-wastage in institute and such. They got the opportunity to meet various authorities, professors, officials and learn about various issues surrounding the topics.

Sustainability to Schools- Learning to live in harmony with nature and understand to appreciate the concerns of environment and pollution should start right from childhood. So NSS Vikas with a mission to take the message of sustainability to young kids had collaborated with Campus School in IIT-Bombay and organised workshops.

There were a host of fun filled activities coupled with information and message. Newspapers were used to make carry bags and waste papers were used for making beautiful origami. Also few videos relevant to the students were screened to make them aware of the situation. A small drawing competition was also organised for the students asking to imagine how the world will be in future and highlight few important environmental evils happening.

Semester 2

Institute wide projects- The students were divided into various teams and allotted the following projects.

1. **Print less Print Double:** This is an initiative for reminding the lesser use of papers and promoting the usage of printing of papers on both sides.
2. **Eco-Box:** It is a concept to deposit the papers which can be reused. This will also help in the collection of papers from the institute.
3. **Switches marking initiative:** Marking of the switches for fans and tube-lights. This will really help people related to the problem faced for finding switches and prevent wastage of electricity.
4. **OWC:** Students did the ground work for effectiveness of OWC or vermin-compost or biogas in institute. They talked to PHO and DEAN IPS for recent working projects of bio fuel and feasibility of OWC project and did the ground work.
5. **Awareness of dust-bins(waste-segregation):** The aim was to create awareness about the type of waste to be put in the respective bins.

Debate Sessions and Quizzes- There were fun activities like debate sessions and quizzes. Also Group discussion sessions were conducted which gave insight and more knowledge about the topics.

Activities of Educational Outreach

Education Outreach Volunteers were divided amongst following 8 centres during the year.

a) **NGO ASHA-**

- NGO Asha is located near IIT Main Gate where many school going children come for tuition/extra help in their studies.
- Approximately 15 volunteers went for volunteering in NGO Aasha twice a week in 1st semester and 21 volunteers in 2nd semester. Children come from the near by government schools to the centre after their school and get free tuitions from the teachers and volunteers in the centre.
- NSS volunteers helped the students in understanding basic concepts of science, maths and also help them in building their English skills.

b) **NGO Vidya NIOS(National Institute of Open Schooling):**

- This programme ran in Powai English High school in Powai near the IIT Main Gate. There were 6 NSS volunteers in both first and second semesters of the academic year for this programme.
- It included 2 programmes-Spoken English tutorial where NSS volunteers conducted the tutorials of spoken English for nearly 30 students to improve their conversational skills and the second one was computer coaching where the volunteers taught the students about basic computer knowledge.

c) **NGO Vidya Umang -**

- In this centre, NSS sent 5 volunteers in the first semester and 7 volunteers in the second semester. The volunteers helped the kids in not only in their education but also in some extracurricular skills like painting, dramatics, sports etc.

d) **NGO Vidya Phulenagar Centre-**

- This centre runs in a nearby area called Phulenagar which is just beside the YP Gate.
- Students come to this centre to learn and polish themselves in various subjects like maths, science and English. The staff of the centre also involve the children in various kinds of extra curricular activities and helps the child for his over all development.
- NSS sent 8 volunteers in the first semester and 12 volunteers in the second semester to this centre.

e) **Campus School-**

- NSS sent 18 volunteers to the campus School in the 1st semester only to help students of Classes 6th, 7th, 8th, 10th, 12th. However due to some problems this program discontinued in the 2nd semester.

f) **Abhyasika-**

- Abhyasika is an initiative from the students of IIT BOMBAY which runs in the phulenagar slum.
- The purpose of Abhyasika is to help the school going children with their home work and improve their basic understanding about various concepts and other foundational skills.
- NSS sent 12 volunteers in the first semester and 18 volunteers in the second semester to the Abhyasika centre.
- The volunteers take a fixed batch which consists of 6 kids of same standard and teach them a particular subject.

g) **Cell for Human Values-**

- This is a computer centre (located behind Hostel -8) where any person from the institute including security guards, mess workers, etc can come to learn basic knowledge of computers.
- NSS sent 6 volunteers in the first semester and 10 volunteers in the second semester to volunteer in this centre.

h) **Spoken Tutorials, IIT Bombay-**

- 2 students from Educational Outreach Volunteered with the Staff of spoken tutorials, IIT Bombay to help in coordinating programmes with some schools.

Activities of Events

Semester 1

Cloth collection- Annual Cloth collection Campaign was conducted and students from events department were divided into various teams and door to door collection was done in Lake side region and students hostels. Apart from this cloth collection was also conducted in 3 societies outside IIT Bombay with the help of some staff members. Approximately 2200 Kgs of clothes were collected and these were given to 2 NGOs and some clothes were also distributed amongst the construction workers inside IIT Bombay.

Cloth Segregation and Distribution-Clothes were segregated in the NSS room and these clothes were then distributed amongst the construction workers of the campus

Notebook Making- Notebook making sessions were conducted in which students made notebooks out pages which were used from only 1 side.

Satyamev Jayate-Presentations were made by students on various topics which were covered in TV Programme Satyamev Jayate like need of Organic Agriculture, Alcohol Abuse, etc. The aim of the activity was to sensitize the students about various problems in the society.

Semester 2

Blog Writing-This was the first activity of the semester. Blog were made by students from events departments.

Republic Day Play- A play "gift of life" based on organ donation was conducted on Republic Day. During the play pamphlets were also distributed which contained further information on the topic.

A litre of Light-A workshop was conducted in NCC grounds along with Department festival of Metallurgy Department 'Padarth' in which setups were prepared which could be put up on the sheds of slum roofs for light in their rooms during daytime. Students from Events and Vikas department of NSS volunteered for this activity.

Toy Making- Various Science toys were prepared and workshops were conducted in NGO Asha and Abhyasika. The basic aim of this activity was to create interest regarding basic sciences amongst students of Abhyasika and NGO ASHA.

Cloth Collection- The cloth collection was conducted in Hill Side region of IIT Bombay. The collection in this semester was 1150 Kgs which made the total annual collection to 3350 Kgs. The clothes were given to NGO Goonj.

Workshops- A Rubik's cube workshop was conducted in Gauthamnagar Centre of NGO Vidya with the help of NSS Events volunteers and Rubik's Club of IIT Bombay. Workshops on thumb painting were also conducted in NGO Asha and Abhyasika by NSS Volunteers.

Activities of Green Campus

Semester 1

Plantation Activity-

- The prime motive in 1st semester was to pick small plants which grow in conditions unfit for their survival and plant them in plastic bags .
- Every Saturday NSS volunteers would pick up plants from various locations in the institute.
- Around 1200 plants were picked up from IDC, Hillside residential areas, KV grounds. Majority of them were Ashoka, Jamun, Mango, Avenue saplings.
- Apart from that few student volunteers would go to the old medicinal Nursery to water the plants that were planted last year.
- There were around 12 sessions throughout the semester conducted at the institute Main nursery. Each session was of around 1.5 to 2 Hours of duration.

Semester 2

Transportation of Plants- In 2nd semester sessions were conducted on Plantation and Transplantation of the plants planted during the year 2011-12 into newer bags .

Drip Irrigation-

- Old used 1 litre bottles were tied to approximately 140 Plants in Lake side region of IIT Bombay.
- These plants were the ones which were difficult to be watered by existing infrastructure.
- Total of 16 drip irrigation sessions were conducted throughout the 2nd semester which involved filling the bottles attached with the plants with water.