

# ANNUAL REPORT



2020-2021



NATIONAL SERVICE SCHEME

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI



## ABOUT:

The overall aim of the National Service Scheme is to give an extended dimension to the higher education system and orient the student youth to community services .It is necessary to arouse the social conscience of the students, and to provide them an opportunity to work with the people in the villages and slums .

The academic year 2020 - 2021 was a challenge to all the institute activities, academic, social and otherwise. NSS, IIT Tirupati did its best with its available resources, online and offline, to participate in the collective struggle in this demanding time. Under the four clubs (Secretariat, Schools, Old age homes and Orphanage, UBA and Rural Development, Health and Blood Camp) that work within NSS, we could organize various activities towards social welfare and environmental issues.

### Gandhi Jayanthi 2020

- Gandhi Punyaha
- Kamilini
- Mahatma
- No Plastic week

### NSS Day 2020

- Lets plant a tree

### Science Hack 2021

- Best out of waste
- Eco-friendly home

- Mind mapping for school children

- Science labs

# Gandhi Jayanthi Oct 2,2020

## 1. Gandhi Punyaha:

As part of the Gandhi Jayanti celebrations hosted at IIT, Tirupati, students, professors, and other administrative officials participated in cleaning the Institute premises on the auspicious morning of October 2nd. This was specially carried out to present their appreciation towards the services of the house-keeping staff. The house-keeping staff was given a paid leave on the day and token gifts of N-95 masks and sanitizers were distributed among them. Students who were residing at their homes, given the situation of COVID-19 pandemic, showed their appreciation by cleaning their own house or locality and submitted photos of their endeavour to the NSS team.



## 2.Kamilini

KAMALINI was a campaign for the self-production of sanitizer. Seeing the urgency and requirement of sanitizers as an essential commodity in this demanding time, the NSS Unit produced 1200 liters of sanitizer in collaboration with the Department of Chemical Engineering, IIT Tirupati. The NSS Unit distributed the produced sanitizers to the people of five villages adopted by the Institution and to a local orphanage. Kamalini sanitizers were also used for internal requirements of the institute.



### **3. Mahatma**

MAHATMA provided a platform for the students of IIT Tirupati to take upon pilot projects to solve some technologically associated problems of the common people from different sectors of society and propose feasible smart solutions. This event was announced on October 2, 2021 as part of the Gandhi Jayanti celebrations of the year. After careful review by the selection committee, three proposals were financially aided by the Institution and guided by a Faculty Advisor. The titles and the winners of the project are given below:

#### **Project A: Rain detection and protection system**

- Prabhat Reddy, Third Year, Electrical Engineering
- Sudarshan H V, Third Year, Electrical Engineering
- Yashas S V, Third Year, Electrical Engineering

#### **Project B: App Designing for Farmers**

- Y. Shakuntala, Second Year, Electrical Engineering
- M. Suchithra , Second Year, Electrical Engineering

#### **Project C: User friendly mobile application for solving rural civic issues**

- Rithika Sapparapu, Second Year, Computer Science and Engineering
- Keerthana Pedireddy Second Year, Electrical Engineering

### **4. No plastic week**

NO PLASTIC WEEK was an anti-plastic campaign successfully driven by professors, students, and staff of IIT Tirupati by boycotting usage of plastic for a whole week. This event was conducted on the day succeeding the day of Gandhi Jayanti. Participants refrained from using plastic products for the whole week and committed to upcycling and recycling waste plastic products as part of the No Plastic week.

# NSS Day Sept 24, 2020

## 1. Lets plant a tree:

Professors, staff and students, who were residing on campus, actively participated in the NSS Day celebrations by planting saplings. They extended their share towards the environment while following the social distancing norms and safety protocols issued by the Ministry of Health and Family welfare in view of the COVID-19 pandemic, in the Permanent Campus of IIT Tirupati. This initiative was undertaken with the aim of offering aid towards reforestation and environment conservation.



## 2. Online activity:

Students residing in their native places actively participated in the restoration campaign by planting a sapling at their localities and shared their experience online. NSS, IIT Tirupati was, thus, able to work extensively pan-India through the active participation of our volunteers. The participants also posted photos of their activity in and around their homes online to showcase the initiative taken by the team and also to encourage further undertakings of such activities.



**Under the Team Rural Development and UBA, NSS IITT, two activities were conducted online during this academic year.**

### **1. Best Out of Waste:**

A two weeks long activity, from February 14th to 28th, was conducted for the students during which they came up with innovative ideas to upcycle their household waste products. This activity brought out the creativity within the students by urging them to utilize the waste in their houses. The students were asked to send the pictures of their creative output. The team received up to 75 pictures with a total participation of 16 members. This helped in reducing waste products while yielding creativity from our volunteers.



### **2. Eco friendly home:**

The second activity by Rural development and UBA was 'Eco Friendly Home'. It was conducted from Feb 14th to Feb 28th, 2021. The activity was meant to inculcate feelings of ecological responsibility in the students and to make them aware of the difficulties in bringing about change in society. There are many eco unfriendly activities taking place in their homes and localities .So, for this activity, students were asked to identify such activities, search for solutions to the problems and finally, implement the change. Students are also required to write a document explaining how they brought about the change.



# NSS, IIT, TIRUPATI was able to conduct three innovative activities in this challenging time under SCHOOLS AND ELDERLY HOMES DIVISION:

## 1. Science hack:

Students organized an online project competition, Science Hack 2021 where students had to identify a science experiment and record a video of the demonstration. We had around 30 students (from schools situated in different parts of the country) participate in the event, trying out various experiments enthusiastically.



## 2. Mind Maps and Notes:

The students formulated mind maps, notes and useful educational resources for high school students. The topics ranged from mathematics, science to history and geography. A strong dataset of notes and mind maps on high school topics has been created with the participation of students who spent 570+ hours on the task. Different languages that were used for notes and mind maps helped students with different backgrounds to understand concepts easily and it was duly shared with school students for use.



## 3. Science Labs:

Science labs was a digital library of various science experiments, with its description, and processes, compiled by NSS volunteers. The database was shared with nearby schools in and around Yerpedu Mandal for easier learning and better understanding of science concepts.



## OUR TEAM

**Faculty Advisor** : **Dr. Debasish Mondal**  
**Program Officer** : **Mahesh Kumar Mulakala**  
**Principal Coordinator** : **Ann Mary Thomas**

### NSS Secretariat:

Coordinator : Kashyapi Ghosh

Co-coordinators: Ann Mary Thomas,  
 K. S. Mohith, Abhilash Ashok Achary,  
 V Kondababu

### Health issues and Blood-donation camp:

#### Faculty Advisor:

**Dr. Vinay Pramod Majety**

Coordinator: Sri Pranav Manne palli  
 Co-coordinators: Konduru Likhith  
 Kumar Raju, P. Keerthana

### School, Old age and Child home:

**Faculty Advisors : Dr. Pooja Vyavahare,  
 Dr. Jayanarayan Thakur Das Tudu**

**Coordinators:**

Umaeshwar Shankar, G Nikhitha VEDI

Co-coordinators: Sneha S Raj,  
 Gautham Krishna, S. Satya Sai Ram,  
 Sahain Batchala, M. Suchitra,  
 P. Sandeep Raj, Sarvesh Nikas

### Rural Development and UBA :

**Faculty Advisors : Dr. Anup Basak,  
 Dr. Vijaya Kumar Gurugubelli**

**Coordinators:**

Chandra Pranavi, Ann Mary Thomas  
 Co-coordinators: Kaushal Dhaingar,  
 Rishabh Gupta, V. Abhishek,  
 Vishal Tomar, Bharadwaj

Follow: 

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