

BEST PRACTICES



GEETANJALI INSTITUTE OF TECHNICAL STUDIES

NH 76, Airport Road, Dabok, Udaipur, Rajasthan 313022

Best practice # 1

1. **Title of the practice:** PROMOTING GREEN AND ENVIRONMENT FRIENDLY PRACTICES IN GITS CAMPUS

2. **Objectives of practice:**

- To contribute towards environment conservation by promoting green practices in the campus
- To ensure that the students understand the importance of following green practices in life
- To minimize carbon footprint in GITS campus

3. **Context:**

As we are all aware that the environment conservation has become the need of the hour, owing to constant pollution and hazardous human activities, the environment has suffered miserably. It is a high time that we mend our ways and stop harming the environment any further.

Conducting activities with the objective of environment conservation is one of the ways in which students can be sensitized about the environment. GITS Udaipur undertakes such green initiatives regularly. The institute has adopted and conducted many practices which directly contribute to environment conservation.

4. **Practice:**

A number of activities have been planned and conducted by GITS Udaipur to reinforce the idea of environment conservation and inculcation of the same in the students.

The activities conducted ranged from plantation to no usage of polythene in the campus. The institute uses solar power for much of its needs. The campus is lush green with a large variety of flora. The institute has installed an AQI meter which has been made by the students of GITS. The AQI meter correctly measures the air quality and displays it digitally. The details of the activities conducted are mentioned below along with photographs.

5. **Evidence of success:**

- Students have adopted habits of cleanliness, use sanitizers frequently.

- Health of the students and faculty residing in campus has improved; fewer incidents of health breakdown are reported.
- The lake cleaning machine developed by GITS has been used to clean lakes many a times.
- Greenery in the campus has been appreciated by stakeholders such as parents etc.

6. Problems Encountered:

- Availability of time with the students and faculty was a difficulty encountered. Time was squeezed out of the schedule of the faculty and students.
- Encouraging students to volunteer was initially tough.
- Financial constraints were encountered while undertaking charity based activities.

ACTIVITIES INVOLVED IN THE PRACTICE

PLANTATION ON THE CAMPUS

Geetanjali Institute of Technical Studies proudly boasts of 26 acres of lush green campus. There is a rich variety of plants and trees in the campus. Every year, students undertake the plantation activities to further enrich the green campus of GITS. Neem, which is considered to an air purifier is present in good numbers in the GITS campus.



POLICY OF NOT USING SINGLE USE PLASTIC

The institute has made it a point to not use single use plastic. In the institute cafeteria and elsewhere, the policy is strictly implemented and followed. Paper cups, plates and glasses which are recyclable are used in canteen. Consumers of Plastic bottles of soft drink and water are encouraged to take the same with them and reuse those.



USE OF SOLAR POWER FOR CAMPUS

The institute believes in harnessing the solar power for the needs of the campus. Solar power plants are installed in every building in the campus and 200 kW power is being produced in order to fulfill the power needs of the campus through solar way.



DEVELOPMENT OF SOLAR POWERED VEHICLES BY GITS STUDENTS

The earth is suffering as a result of the destruction wreaked upon it by humanity. Whether it is the pesticides contaminating the rivers, chemicals from factories polluting the seas or the exhaust fumes from vehicles and industries polluting the air, the systematic destruction of our different ecosystems all over the world has led to a dreadful mess. The main focus through this project is on the transportation industry which is the second largest source of pollution and health hazards. Solar cars would not contribute to global warming or to the production of CO₂.

Electric-Solar Vehicle Championship 2016

Organized by ISIE, INDIA

Awards : GO green Award

Team name: Reckoning Quarters





Electric Solar Vehicle Challenge 2018

Bhimavaram, Andhrapradesh

**Ranking : 1st position in Rajasthan state
2nd in North india
5th position in National Level**

**Team name
Palatial GITS**



Team members: NERU JANI RANI KUMAR, LOHAR AYUSH PANDHAR, MAJESH KUMAR, SHASHANK SINGH, ANURAG CHOUDHARTUL, MALBHARAT SENKUSHYENDRA SINGHKHUSH SINGH, RANA LOVE KUMAR, SINGH-RANAMOHOD, IMMANIKESH KUMAR, JATHIRAJ KUMAR, MENARAYANESH SHARMANASH KUMAMITAYEVESH SACHYVENDERA SINGH, SHEKHAWATHARSHTA, AADYA SONU KHANNAHENDRA JAMBIRPATIRATHU, GUNASACHIN, JURESHBHAW SHARMAASACHIN SINGHVARISH, SUTHANBLICHT BHUBHARANENDRA SINGH, DEOBARABANTU PRALVINCHERJAI SHANMAACVENDRA SINGH RATHORE, SHASHANK MATHERLUGALSHAN RAJPUTTRINAKI KALAKUNET SHRMALAKASH SACHYVAKUMAR NAGDA, SACHIN LOHAR, SUBRAMANIAN, MANOJAKUNESHANKAR, CHENGIRANAGU, PRANABH

Electrical Solar Vehicle Championship 2019

Banglore, Karnataka

Awards : Go Green Award
Ranking: 3rd in Brake Test
& 9th position in National level

Solar Car: Buzzard
Team name: Invincible Titans




Team members: YASWANT SUTHAR, VAIBHAV LOHAR, PAVAN LOHAR, VIVEK MOCHI, YOGENDRA MENARIA, RISHABH JAIN, ANKIT RATHOR, RAVI DHAKAR, AVISH SAHU, MAHENDRA LOHAR, JAGDISH CHANDRA KHATIK, KAILASH CHAND, SHUBHAM OJHA, MUKESH VISHWAKARMA, LOKESH KUMAR DANGI, MUKESH KHATIK, MOHIT LOHAR, RAHUL LOHAR, MANISH LOHAR, AYAN KHAN, AMIT SINGH RATHORE, BHUPESH NAGDA, DARSHAN KUMAR DEORA, HIMMAT SINGH CHOUHAN

BATTERY OPERATED VEHICLE DEVELOPED BY GITS STUDENTS

The concept of battery operated vehicles is to use charged batteries on board vehicles for propulsion. The vehicle derives all power from battery packs and thus has no internal combustion engine. The battery operated vehicles have no emissions in the place where they are used. Electric cars are 100 percent eco-friendly as they run on electrically powered engines. It does not emit toxic gases or smoke in the environment. An electric car is far cheaper to run without any noise pollution.

Battery Operated Vehicle

Team name - Techie Prohets **Green Campus Initiative by Students of Final Year , Mechanical Engineering**



Team members: 1. Deepak joshi 2. Kuldeep singh rao 3. Bhawani shankar joshi 4. Harshad Pandya
5. Jeevan singh Rathore 6. Dravin sharma 7. Kunal prajapati 8. Ashok meena 9. Devendra Singh Rao

DEVELOPMENT OF LAKE CLEANING MACHINE BY STUDENTS OF GITS UDAIPUR

71% of earth surface is covered by water and approximately 97% of this water is present in ocean. Remaining 3% constitutes 2.4% glaciers and only 0.6% water of rivers, lake and other water bodies. Due to human activities, this 0.6% of water is polluting day by day and posing alarming situation. The objective of this machine is to preserve and clean the natural water sources. The lake cleaning machine is a suitable solution to clean the lakes and also it can be used for exercising purpose in an efficient and eco friendly way.



INSTALATION OF SOLAR WATER HEATING EQUIPMENT

Solar water heating equipment has been installed on the roof of all the hostels and faculty residential buildings. This reduces carbon footprint and reduces the want of electric power. GITS has been harnessing solar power in a big way. 22 Solar water heater systems with more than 13000 litre capacity Tanks, are installed on top of various building including hostels



ACHIEVING CARBON NEUTRALITY BY ADEQUATE PARKING OF VEHICLES

Geetanjali Institute of Technical studies aims to achieve carbon neutrality through proper vehicle parking. Except staff vehicles, other vehicles are not allowed inside. Staff vehicles are parked near the exterior boundary of the institute ensuring minimum carbon footprint in the campus. Staff members are encouraged to use CNG fitted vehicles in order to minimize air pollution. Car pooling is also a practice that the staff members follow. In this way, they further contribute towards decreasing air pollution in the campus.

AQI READING MACHINE DEVELOPED BY THE STUDENTS OF GITS

A machine to read Air Quality Index [AQI] has been developed by the students of GITS and is installed in the institute premises. The machine helps in the tracking and monitoring of air quality in the GITS campus, hence, helping in the tracking of the carbon footprint. The Air quality of GITS campus has to be found very well.



HAND SANITIZERS INSTALLED AT VARIOUS PLACES IN THE CAMPUS

In order to keep the campus clean and virus free, hand sanitizers have been installed at various places in the campus. The staff, students as well as visitors are advised to sanitize their hands in order to ensure safety from any infection. GITS Udaipur leaves no stone unturned in order to ensure safety and promote habits of cleanliness in the campus.



Best practice # 2

1. Title of the practice: INCULCATING AND PROMOTING HUMAN VALUES IN STUDENTS THROUGH SOCIAL INITIATIVES

2. Objectives of practice:

- To contribute towards social welfare in various ways, not only to fulfill organization's social responsibility but also to inculcate sensitivity in the students.
- To ensure that the students grow into balanced social individuals besides developing their technical competence.

3. Context:

In the modern times, upkeep of human values has become a challenge; these values are on a constant decline. In this scenario, educational institutions have a greater role to play in order to restore human values in the students.

Conducting social activities with active participation of students is one such way to inculcate human values in the students. The college taken utmost care that students are sensitized about the society and are oriented towards their overall well being. A number of social activities are conducted with the objective of ensuring that the students grow into balanced social individuals.

4. Practice:

A number of activities have been planned and conducted by GITS Udaipur to reinforce the idea of development and inculcation of human values in the students.

The activities conducted ranged from plantation to donation of food and articles at orphanages and old age homes. Student counseling sessions, preparation of immunity boosting food, yoga, visits to primary schools to spread joy among the school kids were other important activities taken.

5. Evidence of success:

- Students have developed sensitivity towards social issues.
- Fewer incidents of student's disputes on and off the campus are being reported.
- They follow practices of healthy living like practicing yoga etc
- A greener campus of GITS due to regular plantation activities
- GITS Udaipur appreciated by district administration for its efforts in fight against covid

1. Problems Encountered:

- Availability of time with the students and faculty was a difficulty encountered. Time was squeezed out of the schedule of the faculty and students.
- Encouraging students to volunteer was initially tough.
- Financial constraints were encountered while undertaking charity based activities.
- Cooperation of the public was less.

The details of the activities conducted are mentioned below along with photographs.

ACTIVITIES INVOLVED IN THE PRACTICE

SETTING UP COVID CARE FACILITIES IN CAMPUS

Geetanjali Institute of Technical Studies Set up Covid care facilities in the campus. This initiative was undertaken by the institute to take care of the patients fighting with Covid-19. A 200 bed isolation ward was set up within the institute campus. The institute provided lodging, food as well as medical facilities to the patients. The effort of the institute in its fight against Covid was lauded by the stakeholders including students.



FINANCIAL CONTRIBUTION TO SUPPORT FIGHT AGAINST COVID

Geetanjali institute of Technical studies contributed Rs. 2 Lakh 51 Thousand for fight against Covid. The financial contribution was given to district administration by the finance controller of the institute Sh. B. L. Jangid. This gesture of the institute was lauded by the district administration of Udaipur.



PRACTICING YOGA FOR A HEALTHY MIND AND BODY

The institute believes that a healthy mind resides in a healthy body. For the health of both mind and body, the institute conducts regular yoga sessions among students and faculty members. This enables the students to get a break from routine studies and indulge in a very important practice to improve their overall well being. The lush green campus of the institute augments practices such as yoga and helps the beneficiaries to realize their full potential.



ORGANIZING BLOOD DONATION CAMPS

Blood can be life saving if the needy get it at the right time. Understanding this, Geetanjali Institute of Technical studies Udaipur conducts Blood donation camps regularly. The students of the institute whole heartedly contribute units of blood in the camps in a safe and hygienic environment under the supervision of senior doctors.



4 DAYS ONLINE ACTIVITY 'GRATITUDE AND CONTRIBUTE' TO ENCOURAGE HARMONY WITHIN SELF, WITH FAMILY, WITH SOCIETY AND WITH NATURE

The value education activity was conducted from 23rd July- 27th July 2020. The program was an activity based online event in which aspiring students from GITS and various educational institutions participated from their home and became a part of this value education journey.

GITS Udaipur believes in holistic development of students. Hence, we conduct value added activities to inculcate basic Human Values in students. The theme of the program was Harmony in Self and body, Family, Society and Nature and involves theme related activities. The purpose of the program was to teach students basic human values- gratitude & contribute harmony, humanity and compassion at all four levels of living. Students participated in great numbers by performing the activities and sharing the pictures.



5 DAYS ONLINE ACTIVITY ‘LIFE: LIVE, LEARN AND HELP’

GITS Universal Human Values Cell organized 5 days of Human values activities “Life: Live, Learn & Help” from 03 to 07 June 2020. The event was a great success and students of GITS, Alumni and other colleges’ students also participated in the event. Total 200+ students participated in the event and shared their feedback with us. For students, it was a life changing program where they get time to spend with their family, nature, animals and think about their health and benefits of yoga and immunity booster food and drinks.

Day 1 activity *The Greatest Wealth is Health-* ‘Do Meditation/Yogasan/Surya Namaskar’ on 3rd June 20. GITS Director, Finance Controller, all HODs and Faculty members participated in the event along with the students. Students do yoga, pranayama and exercise at their home and share their experience. Students tried different poses of yogasana and found the benefits of performing YOGA in their daily life. Overall 200+ students participated in the event.

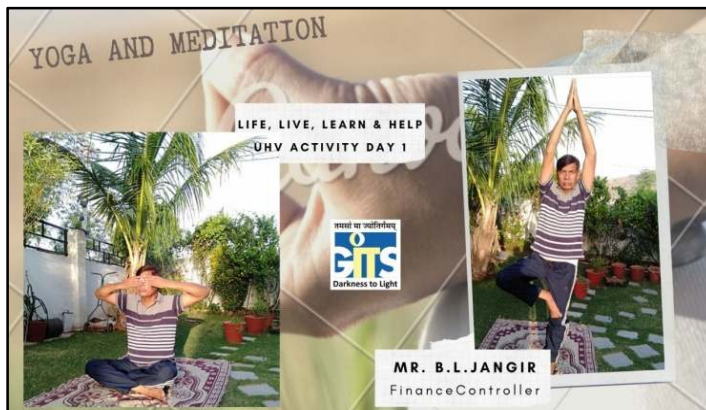
Day 2 activity- “**Prepare Immunity Booster Drink/Dishes**” GITS Students as well as students from other colleges and schools also participated in the program and shared their knowledge about healthy and immunity booster food by preparing them at their home. A good immune system can fight with harmful bacteria in our body. Eating healthy food can reduce the chances of getting ill. So, through this activity our students generate awareness about the benefits of healthy food and drinks.

Day 3 “Life: Live, Learn and Help” successfully conducted one of the remarkable activities on Day 3- “Sharing Innovative Ideas on Holistic Technology/Humanistic Technology to Enrich Nature”. Holistic/Humanistic technology which encourages the use of renewable energy resources, compatible with natural systems and cycles, facilitating effective utilization of the human body, animals, plants and materials

Day 4 activity was important in itself where students feed street animals and water plants of their locality. Students participated in the activity along with their family members and understood the food requirements of street animals

Day 5 Following the theme of *Atma Nirbhar Bharat*, Day 5 of “Life: Live, Learn and Help” activity has been decided for Stitching and Distributing Masks. Students were advised to stitch masks

through DIY. They are also advised to distribute masks to needy people and generate awareness about the importance of wearing masks



Turmeric tea




Ingredients :

1. Turmeric
2. Lemon
3. Honey

Boil turmeric with water for 15-20 minutes. Strain and serve warm with lemon and honey to taste.




Sheetal Sharma
CSE B

THE GINGERBY CRONIC

Ingredients: Ginger, black pepper, Cinnamon

Ginger is used to intensify agent (digestive fire), and naturally detoxify the digestive tract. It helps in the removal of toxins and promoting blood circulation to help open up sinuses. Black pepper contains Vitamin C and enriches immunity. Cinnamon is a spice which is a great source of antioxidants.

Method: Take a cup of warm to hot (not boiling) water. Add a stick of cinnamon and let it simmer in for a minute. Chop up about an inch thick of freshly peeled ginger. For 2 minutes, let the ginger steep in the water. Splash in a dash of black pepper and drink it up.

Ancient drink made by dadiji..

Ingredients :-
 1. Giloy
 2. Neem
 3. Tulsi
 4. Black Pepper
 5. Honey (as per taste)

Day-2 Immunity booster

Simple Recipe: -
 1. Giloy, neem, basil leaves, wash them all.
 2. Grind the neem and basil leaves in the mixer.
 3. Add black pepper powder.
 4. Mix everything well and your drink is ready.

Earthworm

Put into cow dung

Vermicomposting

After 60 days vermicompost is ready



**VISIT TO GOVT. PRIMARY SCHOOLS IN NORA VILLAGE AND KHEMPURA
VILLAGE AND VISIT TO 'SUKH DHAM' OLD AGE HOME IN SAVINA**

GTS organized “#Spread the Joy” and “#Lamhe” a social project of #HumanValues on 16th April 2019 at three places-Nora Village Govt. Primary School, Khempura Govt. Primary School and Sukh-dham Old age home, Savina. B.Tech First Year Students of 2018-19 batch participated and generously contributed for the cause by serving and spending time with school students and residents of old age home.



**VISIT TO WISENHEIMER ORPHANAGE, SUKHER, UDAIPUR. THE ACTIVITY
INVOLVED CSE 1ST YEAR STUDENTS.**

On 1st April, 2018 the students of Geetanjali Institute of Technical Studies, CSE department, First Year visited Waisenheim Orphanage, Sukher, Udaipur, Rajasthan. The students with their HumanValues Teacher, Mrs. Anjali Dhaybhai, provided breakfast to the orphanage children and arrange some fun activities like sports and quiz.

This was done under an activity mentioned in the course of Human Values. It is a great initiative taken up by the students and the faculty to make a small difference in the lives of those small children by offering happiness in the form of food.



**‘JOY OF GIVING’ ACTIVITY ORGANIZED AT ASHA DHAM ASHRAM IN UDAIPUR.
ACTIVITY INVOLVED B. TECH. 1ST YEAR STUDENTS.**

Joy of giving activity was conducted by B. Tech. 1st year students of Geetanjali Institute of Technical Studies, Udaipur at Asha Dham Ashram in Udaipur. The students contributed their time money and efforts towards the noble cause.



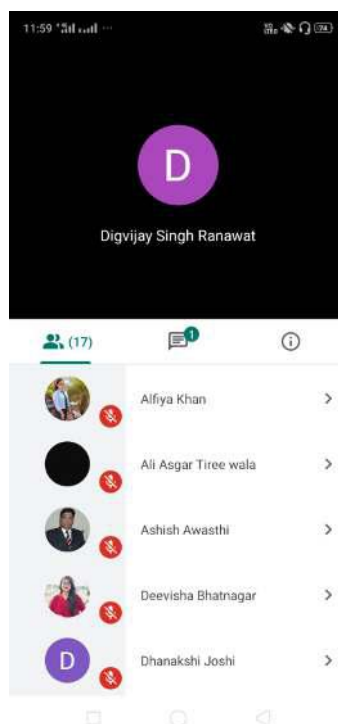
PLANTATION PROGRAMS CONDUCTED BY GITS

From time to time, Geetanjali Institute of Technical Studies has been involved in plantation programs. This is done with the twin objective of environment conservation as well as sensitizing students towards the flora and fauna. In return, it helps them to become balanced social individuals.



STUDENT COUNSELING SESSION CONDUCTED BY GITS

Online counseling session was conducted in Geetanjali Institute of Technical Studies Udaipur in order to understand and sort out problems of students related to their studies, curriculum, online assignment and general issues like lack of co-curricular activities in the pandemic period etc. the moral of the students was boosted through the counseling activity so that their productivity and enthusiasm does not go down.



Screenshot of Online Counseling


DIRECTOR
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