

#### TOLANI COMMERCE COLLEGE

Nr. Post Office, Post Box No. 27, Adipur – 370205 Kachchh Gujarat



#### **Policy Document Regarding Energy and Environmental Use**

#### Tolani Commerce College Policy on Environment and Energy Usage

Energy management in college must be done in a methodical manner to reduce its influence on the surroundings. The policy suggests investigating renewable energy sources in order to lower the burden of the government and to identify alternative natural resources that can be used to energy emergency.

This energy and environmental policy applies to every part of the organization. It encompasses all of the institution's stakeholders as well as the range of activities that it engages in. It will enable us to incorporate environmental consciousness and efficiency into our daily actions, assisting us in realizing our obligations and dedication to the preservation of natural resources and to restrict how it is used. The Eco Club is a formal forum dedicated to the promotion of awareness of the environment, to take up green projects, and to practice green literacy initiatives to preserve the environment and save energy.

#### **Guidelines:**

- > To evaluate our energy consumption and quantify its environmental impact.
- > To calculate the amount of CO2 emissions produced by the cars that we drive.
- > To lower emissions of local air pollution by driving eco-friendly cars, utilizing bicycles, public transportation, and roads that are friendly to pedestrians.
- > To install solar panels with photovoltaic capabilities in order to generate alternative energy.
- To save energy, the entire campus will have LED lighting installed.
- > To create a methodical waste management system.
- > To create a rainwater gathering system.
- > To start a tree planting campaign.
- To implement extra steps to consistently enhance our energy usage.

- To create and keep up an ISO 14001 environmental management system and an ISO: 50001-based Energy Management System.
- > To guarantee that the resources required accomplishing our goals are available.
- > To promote the adoption of cutting-edge technology to reduce energy usage,
- Noise pollution and air pollutants, especially from our fleets of vehicles.
- > To have discussions with the government, local corporations, and the university and actively collaborating with neighborhood groups in the fields of sustainability, the environment, and energy efficiency.
- ➤ To keep an eye on and address new energy and environmental challenges. To fortify First of all the environmental knowledge and abilities of our staff and students in order to enhance our personal environmental results.
- > To give opportunity for training and information on energy-saving techniques.
- ➤ Providing chances for staff members and pupils to participate in projects that aid in the preservation of the environment.
- ➤ Educating our staff and students to "Go Green" through our Eco Club Each year, experts and collaborators plant trees.
- > Students and staff will be informed about this policy through internal communication channels, and will be accessible on the institutional website to all parties involved.
- The goals, targets, and policies pertaining to the environment and energy shall be regularly evaluated by the college principal overseeing the Eco Club Convener and its participants.

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# **CRITERION 7**

# **INSTITUIONAL VALUES AND BEST PRACTICES**

7.1.3 Institutional Environment and Energy Initiatives

**ACTION TAKEN REPORT AND ACHIEVEMENT REPORT** 

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Tolani Commerce College - Adipur is always mindful of its responsibility to protect the environment while pursuing its higher learning objectives. Adopting a green lifestyle contributes to the planet's sustainability and livability, making it a suitable place to live. The organization makes an effort to include the green movement into its routine. In order to guarantee that it stays focused on implementing green, energy, and environment audit, the organization has incorporated them into its policy documents.

The institution does an internal green and energy assessment once every two years with the goal of ensuring green mobility. The department of Botany, TCAS oversees the internal audit, in which teachers and students comprise a group that actively examines the institution's environmentally friendly procedures. The auditing committee submits the report to the head of the institution, which then distributes it to the faculty, staff, and students as well as posts it on the college website. The report also includes recommendations and proposals for changes and enhancements.

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# ACTION TAKEN REPORT 2018-19

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During the 2018–2019 academic year, an external expert Dr. Kalpesh Sorathiya is appointed to

do the green audit of the college. After skillful observations and evaluations, as per his

suggestions, we have made the following changes to the college:

• LED lighting has taken the role of CFLs, and an agreement was made with the local

municipality for the appropriate handling and disposal of non-biodegradable waste.

• Faculty, staff, and students are strictly instructed to unplug and turn off electrical

appliances when not in use or after usage. Frequent maintenance is performed on the

devices to increase their efficiency.

Regular periodic assessments of water quality are conducted

• Steps are conducted to reinforce the current methods of water management.

• Sanitization procedures are followed for water coolers.

• A waste management committee led by the principal is formed to properly monitor waste

management activities on campus; Steps are taken to obtain services of a recognized

agency (Municipality) for the proper disposal and management of waste; and steps are

taken to effectively implement green protocol in the campus.

• Incinerator maintenance is carried out in accordance with the waste audit's

recommendations.

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# ACTION TAKEN REPORT 2019-20

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In the academic year 2019–2020, Mr. Kalpesh Sorathia, HOD, Department of Biology, TCAS will undertake audits related to the environment, energy, and green issues. In accordance with the report, the following measures are implemented:

- Sensor-based lighting has been proposed at strategic locations.
- The devices undergo routine maintenance to increase their effectiveness.
- Regular periodic assessments of water quality are conducted.
- Steps are taken to reinforce the current methods of managing water resources.
- Strict guidelines are given to staff and students to adhere to Green protocol.
- The responsibility for appropriately overseeing waste management operations on campus falls on the waste management committee.
- Effective steps are taken to set up e-waste management. Periodically, e-waste collecting campaigns and disposal in accordance with the guidelines are carried out.
- A new incinerator has been set up to meet the growing demands for garbage disposal.
- Incinerators are maintained in accordance with the waste audit's recommendations.
- The Girls' Garden's upkeep has been improved, and students are expected to visit it frequently.
- New 8 kv Solar panel is installed at new building and it is installed as per the guidelines.

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# ACTION TAKEN REPORT 2020-21

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In the academic year 2020–2021, Mr. Kalpesh Sorathia, HOD, Department of Biology, TCAS is asked to continue audits related to the environment, energy, and green issues. In accordance with the report, the following measures are implemented:

- All the street lights have to be clean regularly for effective use. This is given to the in charge watchman and Gardner to keep them clean. .
- All the electric devices will undergo routine maintenance to increase their effectiveness.
- Water quality has increased due to rain water harvesting system.
- Steps are taken to reinforce the current methods of managing water resources.
- Strict guidelines are given to staff and students to adhere to prevent corona during their visit to the garden and the institution.
- The strict warnings are placed in writing for the waste of corona materials like masks, hand gloves and such other things.
- Effective steps are taken to set up waste management of the corona hospital created at college by the alumni.
- A new dust bins has been set up to meet the growing demands for garbage disposal.
- Incinerators are maintained in accordance with the waste audit's recommendations.

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# ACTION TAKEN REPORT 2021-22

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In the academic year 2021–2022, Mr. Kalpesh Sorathia, HOD, Department of Biology, TCAS is asked to continue audits related to the environment, energy, and green issues looking to the present situation of Corona. In accordance with the report, the following measures are implemented:

- All the students and staff are strictly informed to wear mask and maintain the distance as per the covid protocol.
- It has been decided to put a auto sensor sanitizer machine at entry gate of the college with a dust bin for solid waste.
- All the staff members and students are instructed to use and throw paper glass for their use during their visit to the college.
- It is suggested to avoid direct contact to the things used by the other at the same time or without proper sanitization.
- Strict guidelines are given to staff and students to adhere to prevent corona during their visit to the garden and the institution.
- The strict warnings are placed in writing for the sickness related to corona.

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# ACTION TAKEN REPORT 2022-23

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In the academic year 2022–2023, Mr. Kalpesh Sorathia, HOD, Department of Biology, TCAS is asked to continue audits related to the environment, energy, and green issues. In accordance with the report, the following measures are implemented:

- The in charge is asked to maintain the dust free panel of the solar panels installed at the terrace of the new building.
- It is advised to check the performance of the solar panel regularly for the effective use of the panels.
- All the fans are regularly checked up and the task is given to the AMC holder of the college.
- All the street lights have to be clean regularly for effective use. This is instructed to the AMC person to look after.
- All the electric devices will undergo routine maintenance to increase their effectiveness.
- It is decided to propose a rain water tank under the RUSA project as per the suggestion of the auditor.
- Steps are taken to reinforce the current methods of managing water resources.
- The sweepers are asked not to fire the dry leaves in open without the permission of the head of the institution.
- The students are advised to take care of their health and keep and maintain health and hygiene during the common programs at college.
- Looking to the environmental issues, all the instruments installed at the time of corona hospital are removed and safely destroyed as per the guidelines.
- Incinerators are maintained in accordance with the waste audit's recommendations.

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# CRITERION 7 INSTITUIONAL VALUES AND BEST PRACTICES

# ACTION TAKEN REPORT AND ACHIEVEMENT REPORT 2018-2023

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At Tolani Commerce College, Adipur, environmental stewardship is just as important as achieving academic excellence. A green lifestyle contributes to the planet's sustainability and livability, making it a suitable place to live. The organization attempts to etch the green motion returning to its usual course. As a result, the organization has integrated Green, Energy and Environment Audit guarantees that its concentration is on implementing it during operations in its policy documents.

The organization does an energy and environmental audit in an effort to guarantee green movement every year on an internal basis. The internal audit, which is overseen by the external auditor and the IQAC team, the committee, which is composed of instructors and students, actively works to rigorously analyze the green procedures within the organization. When the auditing committee submits additional enhancements to the institution's head which is posted on the college website and distributed to the faculty, staff, and students. Interventions are made to enhance the institution's sustainable practices.

### **Major Results of Sensitization Programs:**

- Students and staff are more aware of the environment;
- Students enthusiastically take on green projects and eco-friendly initiatives;
- ❖ Green protocol is strictly maintained;
- ♦ Wheeling to the grid is launched to make resourceful use of alternate energy sources;
- ❖ A solar panel of 8 KW is installed
- ❖ The college became a Partner Institution in the staff Solar Ambassador Project, a Central Government project, 2020–2021, thanks to the Energy Conservation Club

- The College received a 2-star rating in the GSIRF (Gujarat State Institutional Ranking Framework)
- Lockdown Birding Challenge, students worked with the local authority for the betterment of the human kind.
- ❖ A group of college students won appreciation certificate from the collector for covid awareness play making.
- **&** College ambiance is one of the beautiful ambiances in the city.

### Principal Procedures derived from Waste, Energy, and Environment Audits:

### **Conserving Energy**

- ❖ Energy-saving gadgets were purchased to preserve energy in the scientific areas.
- The devices undergo annual maintenance to increase their effectiveness.
- ❖ LED bulbs are substituted for CFL and filament lamps via Guj Govt's energy-saving initiative.
- ❖ Staff and students are made aware of the importance of unplugging and turning off electrical items when not in use or after use.

#### **Water Audit**

- \* every department now has water coolers placed
- As part of the internal and external audit, there is a periodic evaluation of the water quality.
- Awareness programs are held and posters about the practices are posted throughout campus to reinforce the current water management methods.
- ❖ Waste RO water is piped directly to the garden area.

#### **Waste Audit**

- ♦ Health Check and Health Awareness Class for Support Staff
- Regular evaluation of various waste types and quantitative data collection are made available for the campus's efficient waste management.
- The Principal, Vice Principal, two faculty coordinators, and two student representatives form a waste management committee monitors the process.
- \* Waste materials from construction and demolition are given to merchants for appropriate disposal and material reuse.
- the management is giving careful consideration to how well the campus's green policies are being implemented.
- ❖ To promote Waste Management themes, departments, cells, and clubs at the college organize events, celebrate important days and years, and launch campaigns. Color-coded waste bins are kept for waste segregation. Electronic and hazardous wastes are given to authorized e-waste collection centers that have been approved by the Kerala State Pollution Board.

## **Biodiversity Audit**

- Native trees and shrubs that bind soil are planted along the college and well-maintained to stop soil erosion.
- ❖ The campus is lined with a variety of native species. The restoration of native and wetland species is improved by routinely observing and eliminating foreign and invasive species. Wherever it is feasible, endemic and native species are restored.
- Any extra seedlings left over after being given to students on campus are planted in open spaces of Gopal Stadium.

the garden is kept up nicely. The college also started a checklist for the campus birds.

❖ There are numerous competitions held to help pupils become acquainted with the campus's plants and animals.

## An outline for a campus environmental policy

- Emphasizing emission reduction and the deployment of green replacements strengthens and revitalizes the green policy.
- Encouragement of Green (Carbon Neutral) Events

★ Eco-boxes or caskets are kept on campus to gather suggestions and other green, creative ideas for the campus to embrace sustainability.

★ The College established a fund from the savings made from sustainable initiatives and further used the amount for more green initiatives in the campus.

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DR. KALPESH D. SORATHIA

DEPARTMENT OF BIOLOGY
OLANI COLLEGE OF ARTS & SCIENCE

# **TOLANI COMMERCE COLLEGE – ADIPUR KACHCHH**

# GREEN/ENV./ENERGY AUDIT REPORT

Energy Green Cover Graph dis Solid waste

Dr. Kalpesh Sorathia,

Head, Dept of Biology

Period of the audit - 2018-19 to 2022-23

AFFILIATION: KSKV Kachchh University, Bhuj.



2018-19

2019-20

2020-21 & 2021-22

2022-23

An environmental audit assesses the risks of harm to human health or the environment. It may assess the suitability of site uses. The purpose of an environmental audit is to: assess the nature and extent of the risk of harm to human health or the environment Environmental Compliance

Environmental
Management System
(EMS) audits

Functional environmental audits



### TOLANI COMMERCE COLLEGE

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#### GREEN AUDIT REPORT COPY

Dr. Kalpesh Sorathia, Head, Dept. of Biology, TCAS, Adipur – Kachchh Gujarat

Affiliation: KSKV Kachchh University, Bhuj.

To, The Principal, Tolani Commerce College, Adipur.

GREEN AUDIT REPORT ASSESSMENT PERIOD: 2018-19 to 2022-23

The Green/Environment/Energy Audit Report of Tolani Commerce College, Adipur, Gujarat is based on the original data collected during the period of study. Further, the baseline data was prepared by the internal Green Audit team of Tolani Commerce College, Adipur, Gujarat and submitted to us. The content of the baseline data of the study has been personally verified for validity and reliability. The data used in the study are original in nature and have not been presented or published elsewhere. Photographs used in the report are either taken directly by the audit team or are given by the internal audit team.

#### Green Audit Evaluator:

Dr. Kalpesh Sorathia Head, Dept. of Botany, TCAS, Adipur – Kachchh Gujarat

#### **Green Audit Assessment Team:**

#### **External Expert:**

Dr. Kalpesh Sorathia, Head, Dept. of Botany.

#### **Internal Members:**

Dr. Peena Chauhan, Member IQAC

Dr. P. M. Thapa, Member IQAC

Dr. Kamal Kharecha, Member IQAC

Dr. Jagdish Raiyani, Member IQAC

Dr. Kalpesh Machhar, Member IQAC

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#### 1. INTRODUCTION:

The process of methodically identifying, measuring, documenting, reporting, and analyzing an institution's environmental diversity components is known as a "green audit." Its objective is to examine environmental practices both inside and outside the area in question, since this will affect the overall eco-friendly environment. A college can use a green audit to find out where and how they are consuming the most energy, water, or other resources. From there, the institution can plan how to make improvements and save money. It can raise awareness of health issues and advance ethics, values, and environmental consciousness. It gives faculty and students a deeper comprehension of the effects of green spaces on campus. It is possible to argue that institutional self-enquiry is a natural and necessary development of a high-quality educational institution, if self-enquiry is a natural and necessary byproduct of a high-quality education. Therefore, it is essential that the college assess how it has contributed to a sustainable future.

With environmental sustainability growing in importance for the country, higher education plays a more prominent role in environmental sustainability.

Numerous environmental and ecological crises have been brought on by the fast urbanization and economic growth at the local, regional, and worldwide levels. Given this, it is imperative that institutions implement the Green Campus system, which will promote sustainable development and remove a significant portion of the atmosphere's CO2 emissions. It is now required that all higher education institutions produce an annual Green Audit Report, as mandated by the National Assessment and Accreditation Council, (NAAC). Furthermore, ensuring that higher education institutions take steps to reduce their carbon footprints in order to help combat global warming is part of their corporate social responsibility.

#### 2. OBJECTIVES:

The Green Audit has gained significant importance in recent times for an institution's self-evaluation, since it indicates the institution's contribution to reducing the current environmental issues. Since the college's founding, efforts have been made to maintain a clean atmosphere. Thus, in accordance with the relevant laws, rules, and standards, the current green audit's goals are to identify, quantify, characterize, and prioritize the framework of environmental sustainability. The primary goals of doing a Green Audit are:

- To chart the college's geographic location
- To record the variety of plants and animals at the college
- To document the weather, air quality, water quality, and noise level of the college.
- To record the meteorological parameters of Adipur, the college's location.
- To record the waste disposal system To calculate the college's energy needs
- To disclose the amount spent on environmental projects over the previous five years

#### 3. METHODOLOGY:

The aim of TCC's green audit is to verify that the campus's actions align with the nation's green policy. The process consists of data collection, campus physical inspection, documentation observation and review, and data analysis.

#### 4. ABOUT THE COLLEGE:

Tolani Commerce College has been recognized as one of the best and most notable institutions for offering excellent commerce education for the past 50 years. The late Kaka Pribhdas Tolani, a visionary and philanthropist, founded the institution in 1973 with the goal of providing all students with a top-notch education. worthy young people without bias of any kind. In honor of its golden jubilee year, the college is hosting the assistance and backing from the employees, alumni, and management. It makes higher education easier by offering a Commerce bachelor's degree. The college was established by the institution's management to instruct youth for academic success in commerce, industry, and business with the aim of offering top-notch instruction in the Kachehh area, which is prone to droughts and earthquakes. It has continuously

strived to ensure quality improvement with a focus on all relevant benchmarking parameters. In addition to modernizing the actual buildings, it has added a lot of value-based activities to the curriculum. 1988 saw the establishment of a M.Com. programs will be offered on campus by the postgraduate division in response to societal demands. We provide a master's degree in both accounting and finance as well as accounting and auditing. Additionally, It has provided UGC-sponsored diploma and certificate programs in international trade, bearing in mind the The port centre for the Kachchh area. With Krantiguru Shyamji Krishna Verma Kachchh, the college is associated. academia. It was connected to Gujarat University in Ahmedabad till 2003. The act of university was passed in 2003 and were a member of Kachchh University, according to the Gujarat government. 1976 saw UGC acknowledged it under categories 2f and 12b, and the college was given financial support through a number of programs. The central government and the government of Gujarat approved the Rs. 2 crore in grants under the RUSA scheme. The college has already got Rs. 1.5 cr. under the heading "Infrastructure Grants to Colleges." The. The college is currently in the fourth cycle of the NAAC accreditation process, having finished all previous cycles in 2008, 2013, 2018 as a result, with a B grade on the due date.

#### 5. VISION AND MISSION:

#### **VISION:**

We envision the total transformation of this Drought prone area Kachchh through promotion of Trade, Industry and Business by way of imparting education in the field of Commerce.

#### **MISSION:**

We dedicate ourselves to the mission of training young; adults for academic excellence, development of skills and character formation based on co-education system related to commerce learning; with a view to upgrade their lifestyles.

- A. Broad objectives of the College:
- Encouraging students to solve problems creatively and unconventionally in order to come up with optimum solutions.
- Converting the concepts with creativity which helps the students that meet industry needs and societal demands.
- Teachers assist students in completing the project successfully by offering the necessary technical direction.
- To foster the creative ideas among the students through different innovative approaches. To carry out studies and research in the area of trade, commerce and industry.
- To give students the professional skills they need to compete in a global market.

#### 6. GREEN AUDITING:

The college has implemented the "Green Campus" concept to promote sustainability and environmental preservation. The three primary pillars are: 100% of graduates exhibiting environmental literacy; zero environmental footprint; and positive influence on occupant health and performance. The aim is Reducing energy, water, and CO2 emissions while fostering a healthy and educational environment for the students.

#### 7. OVER VIEW OF THE LAND USE CONCEPT:

The data acquisition process involved collecting ground control points, geo-referencing and geo-coding satellite imagery (location: 23°04'08"N 70°05'09"E). Ground truth data that was gathered during the field survey was used to facilitate supervised categorization. GIS was used for map scanning, digitization, and editing of all georeferenced maps. GIS software was used for data manipulation, analysis, and linkage between the spatial and attribute data for the production of topology. A land use map displaying the different land uses that have been prepared is the result of the creation of the GIS.

In order to identify land consumption in the built-up land region, an attempt has been undertaken in this work to map land use for TCC using both remote sensing and GIS approaches.

#### 8. GEOGRAPHIC LOCATION INCLUDING A SCALE CAMPUS MAP

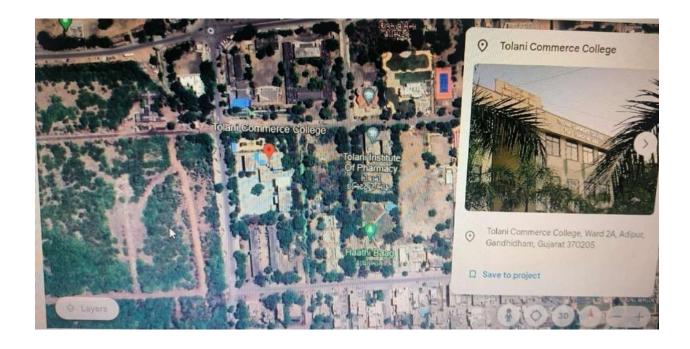
Situated in the center of Adipur, the college boasts an expansive, pollution-free campus spanning 1.9 acres of land. Adipur - Gandhidham, dubbed the "Manchester of Gujarat," is well-known for its Trade and Industry in Timber, Salt, Oil and Logistic Management.

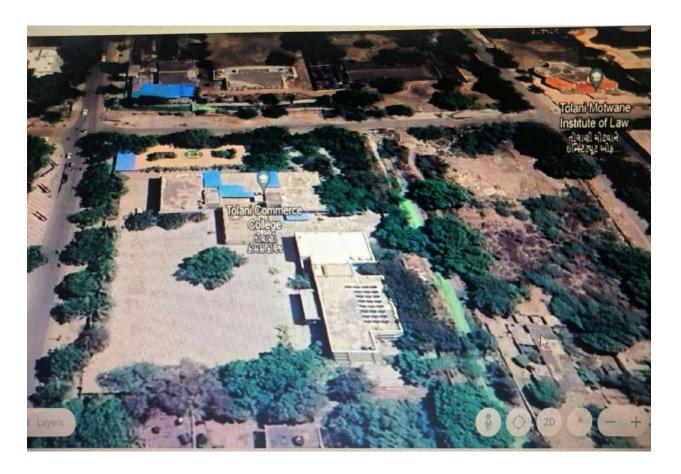
The Kandla airport is located there. Photo 1 shows a scaled depiction of a college campus. The color green on a map denotes a green area. The Google aerial views of College Campus Parts 1 and 2, which feature various college buildings, a sports stadium, grounds, and residential areas, are displayed in Photos 2 and 3, respectively.

# PHOTOS OF THE COLLEGE FROM THE GOOGLE EARTH:









#### 9. LAND USED OF TCC

CATEGORIES OF LAND USE	AREA in sqft
PLANTATION AREA	5400
BUILTUPAREA(INCLUDE ROADS)	2500
TOTALAREA	7900

The TCC, founded in 1973, boasts an environmentally sustainable setting. It has a long history of maintaining and preserving beneficial environmental practices, such as recurrent planting. Because of the way the land is used, the campus is better and more sustainably designed, with open space and plantations taking up roughly 70% of the total area.

#### 10. TREE DIVERSITY:

The college covers an area of approximately 1.9 acres. With numerous tree species serving a range of purposes, the location is incredibly diverse. The majority of these tree species were planted over varying lengths of time as part of several plantation programs run by the authorities, and they are now an essential component of the campus. The college's trees have improved the quality of life for everyone around them, including the fraternity and the general public. They do this by supplying oxygen, enhancing air quality, reducing climate change, conserving water, maintaining soil, fostering wildlife, and regulating climate change by reducing the effects of wind, sun, and rain. Summertime temperatures are regulated by the absorption and filtering of solar radiation by leaves. These trees provide food and shelter to a wide variety of birds. Birds and numerous insects love the nectar of flowers and plants. Branches covered in leaves shield a variety of animals from predators, including birds and squirrels. A seemingly infinite diversity of shapes, patterns, textures, and brilliant colors are displayed by different species. As the seasons change throughout the year, even individual trees alter in appearance. Trees have a monumentlike character due to their strength, longevity, and royal grandeur. They also serve as a reminder of our institution's illustrious past. These trees frequently evoke strong feelings in us, and occasionally we develop a close bond with the ones we encounter on a daily basis. Large, shaded trees in a thick belt around the college's edge have been found to reduce noise, storms, and dust. As a result, the college has been contributing significantly to preserving the ecosystem around the town of Ludhiana and its environs. The tree species that we are attached to are as follows:

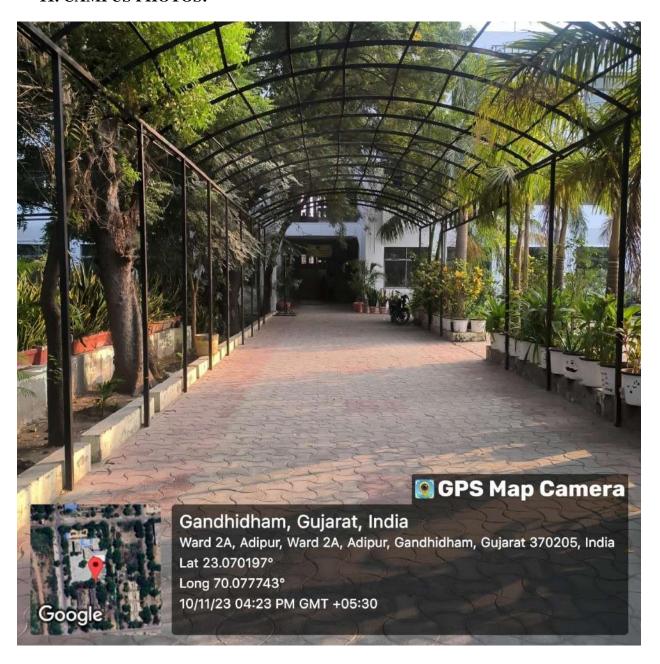
# **List of Trees at TCC**

S.No.	Botanical Name	Family	Common Name	Total
1	Mangiferaindica	<u>Anacardiaceae</u>	Mango	2
2	AlstoniaScholaris	<u>Apocynaceae</u>	Alstonia	1
3	Tabernaemontana divaricata	<u>Apocynaceae</u>	Crapejasmine	1
4	Araucaria heterophylla	Araucariaceae	ChristmasTree	1
5	Tabernaemontana	<u>Apocynaceae</u>	Chandni	1
6	Avartani	Sterculiaceae	Marorphalli	1
7	Phyllanthusemblica	<u>Phyllanthaceae</u>	Amla	1
8	Kigeliaafricana	<u>Bignonias</u>	BalamKheera	2
9	Terminaliabellirica	Combretaceae	Bahera	1
10	DelonixRegia	Royal poinciana	Gulmohar	2
11	Saracaasoca	<u>Fabaceae</u>	Ashoka	6
12	Callindria	Legumes	Phali	1
13	Alstonia	Apocynaceae	Satpatti	6
14	Varun	Capparidaceae	Shree	1
15	Oleander	Dogbanes	Kaner	3
16	Tamarindusindica	<u>Fabaceae</u>	Tamarind	1
17	Peach	<u>Rosaceae</u>	Aaroo	1
18	Punicagranatum	<u>Lythraceae</u>	Pomegranate	2
19	Pithecellobiumdulce	Legumes	Junglejalebi	0
20	Magnoliachampaca	Magnolia	Champa	2
21	Callistemon	Myrtle	Bottlebrush	14
22	Toonaciliate	<u>Meliaceae</u>	Tun	0
23	Livistonachinensis	Palm	China Palm	1
24	Callistemon	Myrtaceae	GoldenBottlebrush	1
25	Nyctanthesarbor- tristis	Olives	Harsingar	1
26	S. oleosa	<u>Sapindaceae</u>	Koylas	0
27	Arecales	Arecaceae	Manchi Palm	8
28	Ficus	Mullbery	Ficus	10
29	Psidium	<u>Myrtaceae</u>	Gauva	1
30	ClusterFig	Mullbery	Gular	0
31	Moringaoleifera	<u>Moringaceae</u>	Sahjan	0
		1	I	

32	Araucariaaraucana	<u> Araucariaceae</u>	Arocaria	2
33	Hyophorbelagenicau lis	Palm	BottlePalm	6
34	CitrusXsinensis	<u>Rutaceae</u>	Naurangi	0
35	Grevillearobusta	<u>Proteaceae</u>	SilverOak	1
36	Ziziphusmauritiana	<u>Rhamnaceae</u>	Ber	1
37	Prunuspersica	Rosaceae	Pears	0
38	Pyruspyrifolia	<u>Rosaceae</u>	Nakh	0
39	Prunusbokharensis	Rosaceae	Aloo Bukhara	1
40	Rosa	Rosaceae	Rose	9
41	Citrus limon	<u>Rutaceae</u>	Lemon	1
42	Citrus limetta	Rutaceae	Mausambi	0
43	Murrayakoenigii	<u>Rutaceae</u>	CurryLeaf	1
44	Populus	salicaceae	Poplar	1
45	Litchichinensis	<u>Sapindaceae</u>	Litchi	0
46	Mimusopselengi	Sapotaceae	Maulsari	0
53	BugalBael		BugalBael	0
54	Dakein		Dakein	0
55	Citrus Reticulata	Rutaceae	Kinnow	0
56	Eriobotryajaponica	Apple	Loquat	2
57	Azadirachtaindica	Meliaceae	Neem	10
58	BenguetPine	Pinaceae	KesiyaJawaniya	0
59	Madhucalongifolia	Madhuca	Mahua	0
60	Saracaasoca	Caesalpinioide ae	PandoliAsoka	5
61	Dalbergiasissoo	<u>Dalbergia</u>	Tahli	1
62	Hibiscus	Malvaceae	ChiriPhool	1
63	Syzygiumcumini	Myrtaceae	Jamun	1
64	Ficuscarica	<u>Moraceae</u>	Anjeer	0
65	Annonasquamosa	Annonaceae	SitaPhal	1
66	Ficuselastica	<u>Moraceae</u>	Rubber Plant	1
67	Morusalba	Rubus	Shahtoot	0
68	Litchichinensis	Sapindaceae	Litchi	0
69	Artocarpusheterophy Ilus	<u>Moraceae</u>	Kathal	0

70	SolanumsurattenseB	Solanaceae	Koylas	0
	urm.F			
71	Ficusreligiosa	<u>Moraceae</u>	Peepal	8
72	Annonasquamosa	Annonaceae	Sharifa	1
73	Astrophytummyriost igma	Cacti	Samer	1
74	Terminaliaarjuna	Terminalia	Arjun	1
75	Musa acuminata	Musaceae	Banana	1
76	Mimusopselengi	Sapotaceae	Maulishree	0
77	Millettiapinnata	Pongamia	Sukhchain	0
78	Phoenixdactylifera	Arecaceae	Date	2
79	Toonaciliata	mahogany	Tund	0
80	Citrus limonOsbeck	Rutaceae	Lemon	0
81	Chukrasia tabularis	Meliaceae	Chakrasia	0
82	Phoenixcanariensis	Arecaceae	Phoenix	0
83	Cassia fistula	Fabaceae	Amaltas	0
84	Eucalyptus	Myrtaceae	Safeda	4
85	Hibiscusrosa- sinensis	Malvaceae	Hibiscus	5
86	Carissa carandas	Apocynaceae	Karunda	5
87	Saracaasoca	Leguminosae	SitaAshok	2
Total	•	•	<u>,                                      </u>	108

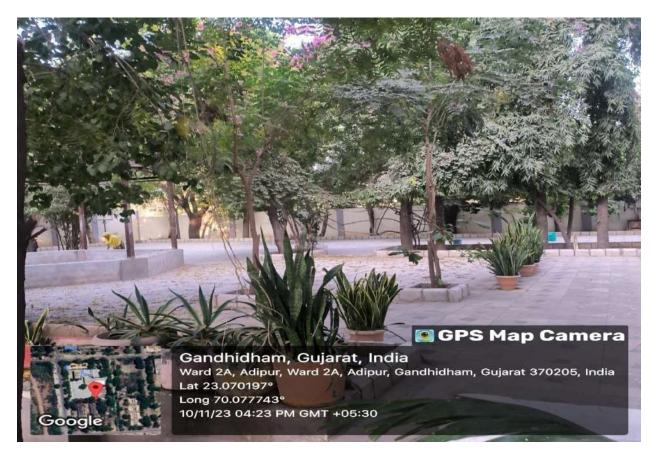
### 11. CAMPUS PHOTOS:



ENTRY GATE OF THE COLLEGE



GARDEN ARE OF THE COLLEGE



GARDEN AREA OF THE COLLEGE





#### 12. FAUNAL DIVERSITY:

TCC is situated in west coast of Gujarat known as Kachchh means a shape of tortoise. The industrial city of Kachchh is well-known for its trade and Industries. Its climates are harsh.

During the warmer summer months, average temperatures range from 44 °C to 50 °C. It is possible for the temperature to drop to or below freezing during the winter. Rainfall is primarily seasonal. The majority of the year is dry in the Rann of Kutch, with the June to September monsoon season seeing the most of the region's rainfall. The following research and documentation pertain to the faunal diversity of the TCC campus:

#### Names of birds and animals in Kachchh:

S.No	Common Name	Scientific Name
1.	Common Myna	Acridotheres Tristis
2.	Bank Myna	Acridotheres Ginginianus
3.	House Sparrow	Passer Domesticus
4.	House Crow	Corvus Splendens
5.	Cuckoo	Cuculidae
6.	Snake	Naja Naja
7.	Yellow Wasp	Ropalidia Marginata
8.	Butter Fly	Danaus Genutia
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	PycnonotusCafer
12.	Skylark	Allude Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina

#### 13. AIR QUALITY:

Numerous factors contribute to the cleanliness, tranquility, and serenity of this area. The ambient air quality data for Kachchh and TCC over the past year indicates that there are relatively few

pollutants in the ambient air; the AQI for SO2 & NOX parameters are within the range of Indian living standards. First off, compared to all other districts in Gujarat, this one has the least population, which is mostly to blame for all issues and obstacles to a comfortable life. Second, compared to other cities, this area has a higher tree planting density.

#### 14. WATER ANALYSIS:

The significance of water quality testing lies in its ability to detect pollutants and avert water-borne illnesses. Contaminated water can cause serious sickness or even death when consumed or used. For this reason, it's critical to guarantee that drinking water is pure, safe, and devoid of harmful microorganisms.

The intended usage establishes the water quality parameters. Most work in the field of water quality is concerned with treated water for human use or the environment.

#### Signs of drinking water

Here is a collection of indications that are frequently assessed according to situational category:

- Alkalinity, water color, and pH value
- Geosmin, 2-Methylisoborneol (MIB), and other flavors and odors
- Dissolved metals and salts (sodium, chloride, potassium, calcium, magnesium, manganese), as well as microorganisms including Giardia lamella, Cryptosporidium, and fecal coliform bacteria (Escherichia coli); see Analyzing bacterial water
- Dissolved organics: colored dissolved organic matter (CDOM), dissolved organic carbon (DOC) □ Dissolved metals and metalloids (lead, mercury, arsenic, etc.) □ Heavy metals

#### 15. NOISE LEVEL IN THE SURROUNDINGS:

The human ear is continuously assaulted by artificial noises from all directions, and in most populated areas, there are still only a few locations where relative silence is found. Two fundamental characteristics of sound are: **volume and frequency** 

The intensity of a person's perceived sound is measured as loudness. Decibels are used to measure it. A whisper is about 20 dB, a jet plane during takeoff is about 150 dB, a rocket engine is about 180 dB, a normal conversation is about 35–60 dB, heavy street traffic is about 60–0 dB, boiler factories are about 120 dB, and just audible sound is about 10 dB. A human can tolerate up to 80 dB of sound without experiencing significant pain. Since sounds beyond 80 dB damage the hearing system, they can be safely classified as pollutants. The safe noise level for a city has been set by the WHO at 45 dB. According to international guidelines, noise levels up to 65 dB are acceptable. Tone is another way to convey loudness. At 1000 Hz, one sane is equivalent to 40 dB of sound pressure. The number of vibrations per second is the definition of frequency. The symbol for it is Hertz (Hz).

#### Describe the location of the college.

The TCC campus is bordered to the north by the Polytechnic building, and additional canal, to the south by the boys' hostel, to the west by a side open plot and the road, and to the east by Canal, open plot and the residential quarters.

#### 16. WASTE DISPOSAL:

Waste disposal refers to the procedures and actions needed to control waste from the point of origin to the point of disposal. This covers garbage collection, transportation, treatment, and disposal in addition to oversight and control of the waste management procedure.

Every day, the trash from the entire college is divided into dry and moist categories and disposed of differently. Wet waste, on the other hand, refers to organic garbage like vegetable pads and leftover food. Dry waste comprises items like paper, cardboard, glass tin cans, and so forth. Waste separation is crucial since the quantity of waste produced nowadays creates enormous problems. After being composted, the material was assessed for use as fertilizer. When these wastes are disposed of, high-quality organic manure is produced, which can be used as a source of plant nutrients and soil amendments.

Colleges and universities are achieving a higher standard of environmental performance with the support of clever initiatives like the "Think Green Campus Model" in waste management. By reusing or recycling, we lessen the amount of waste that ends up in landfills, save natural resources, and save energy. In addition, we'll lessen our environmental effect by cutting down on the carbon emissions that come with getting new products and getting rid of old ones. TCC uses eco-friendly procedures and takes the required steps, such as recycling waste, cutting energy use, becoming carbon neutral, etc. The other solid trash produced on campus is sent to the communal bin of the Gandhidham municipality for recycling and disposal, while the biological reusable waste is converted into organic manure for the college's plants.

#### 17. ELECTRICAL POWER CONSUMPTION AT GNDEC:

As a matter of policy, the authority continues to swap out old filament, CFL, and tube lights for low-energy LED bulbs and LED tubes, as well as large, high-power fans for energy-efficient fans, with the goal of minimizing the college's electricity usage.

Not only is Environmental Studies an essential subject in our curriculum, but TCC has gone above and above by implementing that philosophy. 8kWp sets of solar panels have been erected by the college located on the new building terrace. The institute's peak daily electricity demand from the grid is partially offset by the energy from this solar array. By installing a 8 kWp grid-connected solar rooftop plant in apex mode, TCC was able to reduce its carbon footprint and move toward a more dependable and environmentally friendly choice by offsetting 34% of its energy use from the state grid.

#### 18. EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS:

Financial Year	Tree plantation (Amount in Rs)	Gardening& lawn Work (Tractor Running &Maintenanc e)	Sewerage Treatment Plant	Purchase of LED's	Solar PV	Total (In Rupees)
2018 – 2019	4740	21143	-	6900	-	32783
2019 – 2020		24000	-	2719	-	26719
2020 - 2021		24000	-	-	-	24000
2021- 2022	4450	24000	-	14260	441944	484654
2022-2023		20811	4000	-	-	24811

DR. KALPESH D. SORATHIA
HOD
DEPARTMENT OF BIOLOGY
TOLANI COLLEGE OF ARTS & SCIENCE

Dr. Kalpesh Sorathia,

Head, Dept. of Biology, TCAS,

COPY TO:

The Principal, TCC, Adipur

The Registrar, KSKVKU, Bhuj

The Head, Administration, GCB, Adipur

The Commissioner of Higher Education, Gandhinagar.

All the members of Internal Audit committee

PRINCIPAL
Tolani Commerce College
ADIPUR - KUTCH
GUJARAT - 370 205

## **TOLANI COMMERCE COLLEGE**

Affiliated with KSKV Kachchh University, Bhuj, (Managed by Gandhidham Collegiate Board)
P.O.BOX.NO. 27, ADIPUR, (KUTCH)-370205, GUJARAT
NAAC GRADE "B" 2.80 Phone: (02836) 260623, Fax : (02836) 263429

Email: tcctolani@gmail.com Web: www.tcc.ac.in

#### **NAAC**

#### 4<sup>th</sup> CYCLE OF ACCREDITATION 2023

#### Criterion 3 - Research, Innovations and Extension

#### 3.4 Extension Activities

## 3.4.2 Awards and recognitions received for extension activities from government / government Recognised bodies

Sr. No.	Year	No. of
		Awards and
		Recognitions
1	2022-2023	7
2	2021-2022	3
3	2020-2021	4
4	2019-2020	3
5	2018-2019	3
	Total	20

SOUNERCE COLLEGE

PRINCIPAL
Telani Commerce College
ADIPUR - KUTCH
GUJARAT - 370 205













## LIONS CLUBS INTERNATIONAL

DISTRICT 3232-J







Ref. No. :

Date:

## Lions Club Of Gandhidham

Dt - 11.10.2023

To, The Principal Tolani Commerce College, Adipur

K/A: Dr. Manish Pandya

Dear Sir,

Lions club of Gandhidham, a non - profitable organisation is a part of the largest NGO in the world Lions International, is the torch bearer of services to humanity with a MOTTO - SERVE WITH HEART.

Lions club of Gandhidham and Tolani Commerce College have join their hands, since 1918 -19 to carrying Students Blood Donation & Thalassemia. We appreciate the effort of the College administration and recognize good number of Students checking the Thalassemia & Blood Donation.

We convey our gratitude to the administrator of Tolani Commerce College for their continue support & wish them many more mileage in the field of Thalassemia & Blood Donation.

With Warm Liogistic Regards, Lions Club of 6 ndhidham

PMJF Lion Dhiren Mehta















E-mail:phcmeghparb.health.kutch@gmail.com



### **Recognition Certificate**

This is certify that Tolani Commerce College, Adipur, has received recognition from the Primary Health Centre, Meghpar Borichi, Anjar, for its excellent participation in the Puls-polio Vaccination Drive from 27-02-2022 to 01-03-2022 with support of NSS Volunteers. This recognition honours your outstanding commitment to the health and wellbeing of the community.

Date: 01-03-2022

Medical Officer
Medical Officer
P.H.C. Megapas (Bo)
Ta Anjar - Kutch



E-mail:phcmeghparb.health.kutch@gmail.com



### **Recognition Certificate**

This confirms that Tolani Commerce College, Adipur, has received recognition from the Primary Health Centre, Meghpar Borichi, Anjar, for its excellent participation in the Covid Vaccination Camp on 10<sup>th</sup> April 2021 with support of NSS Volunteers. This recognition honours your outstanding commitment to the health and wellbeing of the community.

Date: 10-04-2021



E-mail:phemeghparb.health.kutch@gmail.com



## **Recognition Certificate**

This attests that Tolani Commerce College, Adipur, has received recognition from the Primary Health Centre, Meghpar Borichi, Anjar, for its excellent participation in the anti-polio campaign from 31-1-2021 to 02-02-2021 with support of NSS Volunteers. This recognition honours your outstanding commitment to the health and wellbeing of the community.

Date: 02-02-2021

Metheral Officer
P.H.C. Megapar (Bo)
Ta PAhjaYeg Kütch



E-mail:phemeghparb.health.kutch@gmail.com



## Certificate of Appreciation

This is to certify that **Tolani Commerce College**, **Adipur** has been awarded this certificate in recognition of its Active Participation in the Polio Campaign on 19-01-2020 In collaboration with NSS Volunteers Presented by **Primary Health Centre**, **Meghpar Borichi**, **Anjar**.

This award is a testament to your outstanding commitment and support in promoting health and well-being within the community.

Date: 19-01-2020

Medical Officer
P.H.C. Megapar (Bo)
Ta HAniar Extension



E-mail:phemeghparb.health.kutch@gmail.com



## CERTIFICATE OF APPRECIATION

This is to certify that **Tolani Commerce College, Adipur** has been awarded this certificate in recognition of its Active Participation in the Polio Campaign on 12-01-2019 In collaboration with NSS Volunteers Presented by **Primary Health Centre, Meghpar Borichi, Anjar.** 

This award is a testament to your outstanding commitment and support in promoting health and well-being within the community.

Date: 12-01-2019.

Medical Officer
P.H.C. Megapar (Bo)





## INNER WHEEL CLUB OF GANDHIDHAM

District 305 | Charter No. 2849 E-mail: iiw.in.gandhidham@gmail.com



DISTRICT CHAIRMAN 2022-23

ASSOCIATION PRESIDENT & NR 2022-23 Reena Agarwal Dr. Surjit Kaur

**IIW PRESIDENT 2022-23** Zenalda Farcon

Jatan, Todarmal Marg, Ajmer 305001 M: 98983 98167 | E: agarwalreena924.@gmail.com

President

POOJA P. THACKER

Add.: SDX-N-7/8, Chawla Chowk, Gandhidham (Kutch) Mob.: +91 78746 13839

Email: poojathacker60539@gmail.com

Vice President **SUDHA SHAH** 

Add. : Plot No. 266/1, 70, Gurukul, Gandhidham (Kutch)

Mob.: +91 97279 94272

Email: anantrayashishshah@gmail.com

IMM. Past President **NITU CHAUDHARY** 

Add. : Plot No. 62, Ward 10/BC, Gandhidham, Kutch

Mob.: +91 93277 95378

Email: nitumukeshchaudhary@gmail.com

Secretary **HEMALI MEHTA** 

Add.: "Annapurna" Plot No. 312, Ward 3-A, Adjour Mob.: +91 97252 92628 Email: hemail.mehta02@gmail.com

Treasurer

HANSA GIANCHANDANI

Add. : Plot No. 74/A, Ward 10/BC, Gandhidham (Kutch) Mob.: +91 74055 80300

Email: hgianchandani@gmail.com

1.5.0.

**RANJANA GARG** 

Add. : A-48, Apna Nagar, Gyan Vihar, Gandhidham (Kutch) Mob.: +91 99252 74348

Email: ranjanagarg021@gmail.com

Club Correspondent **RIYA BAJAJ** 

Add.: Baiai Bhawan" NU-3, 160/A, Apna Nagar, Gandhidham (Kutch)

Mob.: +91 94848 09390 Email: riyabajaj412@gmail.com

**Executive Committee** 

SANGEETA THACKER

+91 99250 03031

**SMITA SINGH** 

+91 94262 30333

**ARCHANA AGARWAL** +91 94270 88384

**SUDHA GUPTA** 

+91 98255 42182

JAGRUTI THACKER

+91 99250 44536

**KASHMIRA ACHARYA** 

To,

The Principal,

Tolani Commerce College, Adipur

### Appreciation for Cyber Crime Awareness Program

I wish to express my sincere appreciation for the informative program on awareness against cybercrime, organized on 25-11-2022 collaboration with the Inner Wheel Club of Gandhidham.

Your commitment to promoting awareness against cybercrime among students commendable.

Eagerly anticipating more such informative events.

Sincerely,

Date: 25-11-2022



Gandhidham (Kutch)

Shri Rajabhai Patel Blood Centre Smt. Nanbai Pragji Mathakia IMA Community Health & Research Center

President:

Dr. Rajendra Shah

ASHIRWAD CT SCAN & IMAGING CENTRE

Plot No. - 188, Ward - 12/B,

Gandhidham

(C) 02836 222 878, (M) 98252 26601.

To,

Principal,

Hon. Secretary:

Dr. Ashok Thakkar

LILASHAH DISPENSARY Plot No. 604, Ward - 12/C, Lilashah Nagar, Gandhidham. (C) 02836 220 582, (M) 96385 62531 Dr. M. K. Pandya,

Tolani Commerce College, Adipur

I.P.P

Dr. Sunil Massand

Advisor

Dr. Neemaben Acharya

Thalassemia Incharge

Dr. Kirti Sukla

**Vice President** 

Dr. N. L. Joshi

Hon. Treasurer

Dr. Sheetal Trevadia

Hon. Jt. Secretary

Dr. Rajesh Khatri

**Managing Committee** 

Dr. Hitesh Anadkat

Dr. Darshak Mehta

Dr. Hiren Mehta

Dr. Suresh Naik

Dr. Suresh Prajapati

Dr. Hitesh Shah

Dr. Nitin Thakkar

Dr. Chetan Vora

Dear Sir,

I am writing to express my heartfelt appreciation for the Blood Donation Camp held on May 9, 2018, in collaboration with IMA Gandhidham trust managed Rajabhai Blood Bank. Your dedication to this noble cause and the efficient organization of the event were truly commendable. Your efforts not only saved lives but also inspired many to become donors. Thank you for being a shining example of social responsibility and community service.

Dr. Rajendra shah

President

IMA Gandhidham Trust

Shri Rajabhai patel blood bank

Date:12/10/2023



Gandhidham (Kutch)

Shri Rajabhai Patel Blood Centre Smt. Nanbai Pragji Mathakia IMA Community Health & Research Center

President:

Dr. Rajendra Shah

ASHIRWAD CT SCAN & IMAGING CENTRED,

Plot No. - 188, Ward - 12/B,

Gandhidham

(C) 02836 222 878, (M) 98252 26601.

Principal,

Dr. M. K. Pandya,

Hon. Secretary :

Dr. Ashok Thakkar

LILASHAH DISPENSARY Plot No. 604, Ward - 12/C, Lilashah Nagar, Gandhidham. (C) 02836 220 582, (M) 96385 62531 Tolani Commerce College, Adipur

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**Managing Committee** 

Dr. Hitesh Anadkat

Dr. Darshak Mehta

Dr. Hiren Mehta

Dr. Suresh Naik

Dr. Suresh Prajapati

Dr. Hitesh Shah

Dr. Nitin Thakkar

Dr. Chetan Vora

Dear Sir,

I wish to convey my sincere appreciation for the Blood Donation Camp that took place on 29/12/2019 in partnership with IMA Gandhidham Trust managed Rajabhai Blood Bank. Your unwavering commitment to this noble cause and the remarkable execution of the event deserve commendation. This initiative not only saved lives but also encouraged numerous individuals to become donors. Thank you for setting a remarkable example of social responsibility and community service.

Dr. Rajendra shah

President

IMA Gandhidham Trust

Shri Rajabhai patel blood bank



Date: 12/10/2023



Gandhidham (Kutch)

Shri Rajabhai Patel Blood Centre Smt. Nanbai Pragji Mathakia IMA Community Health & Research Center

#### President:

Dr. Rajendra Shah

ASHIRWAD CT SCAN & IMAGING CENTRE Plot No. - 188, Ward - 12/B, Gandhidham (C) 02836 222 878, (M) 98252 26601.

Hon. Secretary:

Dr. Ashok Thakkar

LILASHAH DISPENSARY Plot No. 604, Ward - 12/C, Lilashah Nagar, Gandhidham. (C) 02836 220 582, (M) 96385 62531

To,

Principal,

Dear Sir,

I.P.P

Dr. Sunil Massand

Dr. M. K. Pandya,

Tolani Commerce College, Adipur

I am writing to express my sincere gratitude for the

Blood Donation Camp organised on December 26,

2021, together with IMA Gandhidham Trust

Managed Rajabhai Blood Bank. Your unwavering dedication to this worthy cause, as well as the event's

Thank you for leading by example in terms of social

flawless organisation, deserve high appreciation.

responsibility and community involvement.

Advisor

Dr. Neemaben Acharya

Thalassemia Incharge

Dr. Kirti Sukla

Vice President

Dr. N. L. Joshi

Hon. Treasurer

Dr. Sheetal Trevadia

Hon. Jt. Secretary

Dr. Rajesh Khatri

Dr. Rajendra shah

President

IMA Gandhidham Trust Dr. Suresh Prajapati

Shri Rajabhai patel blood bank

**Managing Committee** 

Dr. Hitesh Anadkat

Dr. Darshak Mehta

Dr. Hiren Mehta

Dr. Suresh Naik

Dr. Hitesh Shah

Dr. Nitin Thakkar

Dr. Chetan Vora

Date: 12/10/2023



Gandhidham (Kutch)

Shri Rajabhai Patel Blood Centre Smt. Nanbai Pragji Mathakia IMA Community Health & Research Center

#### President:

Dr. Rajendra Shah

ASHIRWAD CT SCAN & IMAGING CENTRE Plot No. - 188, Ward - 12/B, Gandhidham (C) 02836 222 878, (M) 98252 26601.

Date: 12/10/2023

A GI

Hon. Secretary:

Dr. Ashok Thakkar

LILASHAH DISPENSARY Plot No. 604, Ward - 12/C, Lilashah Nagar, Gandhidham. (C) 02836 220 582, (M) 96385 62531 To,

Principal,

Dr. M. K. Pandya,

Tolani Commerce College, Adipur

I.P.P

Dr. Sunil Massand

Dear Sir,

Advisor

Dr. Neemaben Acharya

Thalassemia Incharge

Dr. Kirti Sukla

**Vice President** 

Dr. N. L. Joshi

Hon. Treasurer

Dr. Sheetal Trevadia

Hon. Jt. Secretary

Dr. Rajesh Khatri

this noble cause and the impeccable organization of the event deserve the highest praise. Thank you for setting a shining example of social

responsibility and community engagement.

I am writing to convey my heartfelt gratitude for the

Blood Donation Camp held on 25/12/2022, in

collaboration with IMA gandhidham Trust Managed

Rajabhai Blood Bank. Your steadfast commitment to

Warm regards,

**Managing Committee** 

Dr. Hitesh Anadkat

Dr. Darshak Mehta

Dr. Hiren Mehta

Dr. Suresh Naik

Dr. Suresh Prajapati

Dr. Hitesh Shah

Dr. Nitin Thakkar

Dr. Chetan Vora

Dr. Rajendra shah

President

IMA Gandhidham Trust

Shri Rajabhai patel blood bank



## राष्ट्रीय केंडेट कोर NATIONAL CADET CORPS









## प्रमाण पत्र CERTIFICATE

This is to certify that No.GJ21SDA344872 Rank CADET

Name GOSWAMI HARSHAVAN Unit 36 GUJ BN NCC, BHUJ

NCC Directorate. GUJARAT, DADRA NAGAR HAVELI, DIU & DAMAN

ने 01 जनवरी 2023 से 29 जनवरी 2023 तक, नई दिल्ली में, वार्षिक रा. कै. को. गणतन्त्र दिवस शिविर में, अपने रा. कै. को. निदेशालय का प्रतिनिधित्व किया ।

Represented his/her NCC Directorate, at the Annual NCC Republic Day Camp, held at New Delhi, from 01 January 2023 to 29 January 2023.

File No.: 17090/Cert/DGNCC/RDC-2023

Cert No.: DGNCC/RDC-2023/0394

दिनांक : 29 जनवरी 2023 Dated : 29 January 2023

स्थान : नई दिल्ली

Place: New Delhi

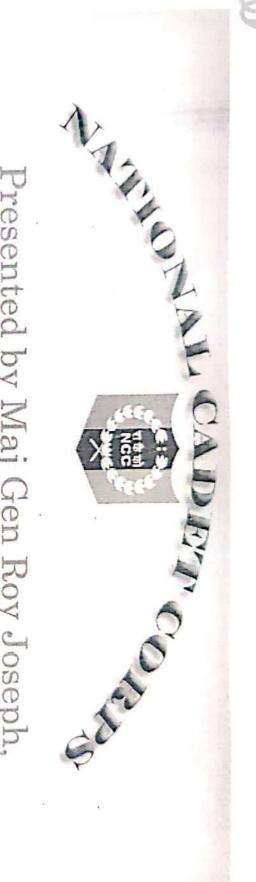


Digitally signed by UDAY SINGH MANKOTIA Date: Sal Jan 28, 16:25:18:15T 2023 उद्योसिंह मनकाटिया

> Uday Singh Mankotia कर्नल ∕ Colonel सचिव आर डी सी Secretary RDC

Digitally signed by GURBIRPAL SINGH Date: 2023 01.29 16:00:04 +05:30

गुरबिरपाल सिंह Gurbirpal Singh लेफ्टिनेंट जनरल Lieutenant General महानिदेशक राष्ट्रीय कैडेट कोर Director General National Cadet Corps



ADG, NCC Directorate Gujarat, Ahmedabad Presented by Maj Gen Roy Joseph,

LT GAURAY THAKOR, TOLANI COLLEGE ADIPUR

and dedication made towards NCC Organisation in recognition of outstanding contribution for 2019

Maj-Gen Roy Joseph ADG NCC Dte. Gujarat Ahmedabad

GP Cdr

of B S Kashid

Date: 8 July 2019

Dr.Ravi N.Soneja

B.Com., M.B.A, LLW, LLM, Ph.D

Мов: 9979388778 Phone: 02836-230535

Enrollment No. G/342/2011

Advocate - Gujarat High Court, Enroument Stagy Ward 12-C, Office: F-5, First Floor, Adinath Areade-2 Plot No.576, Ward 12-C, old A-Div-Police Station Road, Gandhidham-kachehh-370201.

Email:ravi.soneja@gmail.com

Date: 04-09-2021

To,

Principal

Tolani Commerce College,

Adipur

## Appreciation for Organizing the Legal Awareness Program

I, as a representative of the Taluka Kanuni Seva Samiti in Gandhidham, want to convey our deepest gratitude to Tolani Commerce College for their generous hosting of the Special Legal Awareness Program on 04-09-2021 for Girl Students. This collaboration has proven to be a significant platform for illuminating the legal rights of women, offering timely and highly educational insights.

Furthermore, I wish to commend Tolani Commerce College for their meticulous planning and execution, which rendered the program engaging and informative. Your dedication to promoting legal awareness among students is truly commendable.

I eagerly look forward to future events and opportunities for learning.

Sincerely,

Dr.Ravi Narain Soneja

Panel Advocate-Gandhidham Taluka Legal Aid Committee

## Dr.Ravi N.Soneja

B.Com., M.B.A. LLW, LLM, Ph.D

Phone: 02836-230535 Eurollment No.G/342/2011

Mob:9979388778

Advocate - Gujarat High Court. Office : F.S. First Thoor, Admath Arcade 2 Plot No. 576, Ward 12-C, old A-Die Police Station Road. Gandhidham-kachchh-370201.

Email: ravi.soneja@amail.com

Date: 30-08-2021

To,

The Principal

Tolani Commerce College,

Adipur

## Appreciation for Organizing the Legal Awareness Program

I am writing to convey my sincere appreciation for the Legal Awareness Program on 30-08-2021 conducted in collaboration with the Taluka Kanuni Seva Samiti. This program was exceptionally enlightening and relevant, offering valuable insights into our legal rights and responsibilities.

I would also like to commend Tolani Commerce College for the precise planning and execution, which made the program engaging and informative. Your commitment to promoting legal awareness among students is highly commendable.

I eagerly anticipate future events and opportunities for learning.

Sincerely

Dr.Ravi Narain Soneia

Panel Advocate-Gandhidham Taluka Legal Aid Committee



## **TOLANI COMMERCE COLLEGE**

Affiliated with KSKV Kachchh University, Bhuj, (Managed by Gandhidham Collegiate Board)

P.O.BOX.NO. 27, ADIPUR, (KUTCH)-370205, GUJARAT

NAAC GRADE "B" 2.80 Phone: (02836) 260623, Fax : (02836) 263429

Email: tcctolani@gmail.com Web: www.tcc.ac.in

#### **NAAC**

#### 4<sup>th</sup> CYCLE OF ACCREDITATION 2023

#### **Criterion 7.1.3 – Environmental Promotion activities**

The institute practices, processes, and facilities to assess its compliance with environmental regulations and their efficiency in managing energy resources which are confirmed through the following.

a) Green audit/Environment Audit/ Energy Audit:

The primary objectives of such audits have been Environmental Compliance to ensure that the organization is adhering to all environmental laws and regulations, to evaluate the organization's energy consumption patterns, identify energy wastage, and recommend measures to improve energy efficiency. Green audits often involve evaluating resource usage, energy efficiency, waste management, and emissions to identify areas for improvement.

- b) Environmental Promotion Activities:
- I Tree Plantation to combat deforestation and promote biodiversity.
- II Community Cleanups: to improve the environment:
- III Environmental Advocacy for policies and practices that protect the environment:

IV Educational Workshops to raise awareness about environmental issues:

V Energy-saving practices

VI Green Entrepreneurship to prioritize sustainability and eco-friendly products or services

Waste Management Initiatives at the College: The college employs various techniques for the management of degradable and non-degradable waste, with a primary focus on the 3 Rs: Reduce, Reuse, and Recycle. Different types of dustbins were strategically placed across the campus to segregate waste effectively, including solid and liquid waste. There has been a strong emphasis on reducing plastic usage to make the campus single-use plastic-free. For solid waste management, bins are located in different departments, ensuring that waste was segregated at its source. The college also ensures cost-effective and labour-efficient recycling of these components. Suitable techniques were applied for solid waste disposal, with an emphasis on on-site treatment. Liquid waste was carefully channelled into the municipal drainage system. The NSS and NCC volunteers demonstrated proper waste disposal procedures in the nearby village of Galpadar. E-waste was responsibly given to authorized vendors for disposal, and the college actively seeks substitutes to minimize waste generation. Students are regularly educated about waste recycling processes. In addition, the college supports water conservation efforts through rainwater harvesting, bore well/open well recharge, construction of tanks and bunds, wastewater recycling, and maintenance of water bodies and distribution systems within the campus.

PRINCIPAL
Telani Commerce College
ADIPUR - KUTCH
GUJARAT - 370 205



#### TOLANI COMMERCE COLLEGE

Affiliated with KSKV Kachchh University, Bhuj. (Managed by Gandhidham Collegiate Board) P.O.BOX.NO. 27, ADIPUR, (KUTCII)-370205, GUJARAT NAAC GRADE "B"Phone: (02836) 260623, Fax:( 02836) 263429 Email: tcctolani@gmail.com Web: www.tcc.ac.in

### Circular for Environmental Policies

Dear Team TCC.

We are committed to protecting the environment and minimizing our impact on the planet. As part of our dedication to sustainable practices, we have established the following environmental policies:

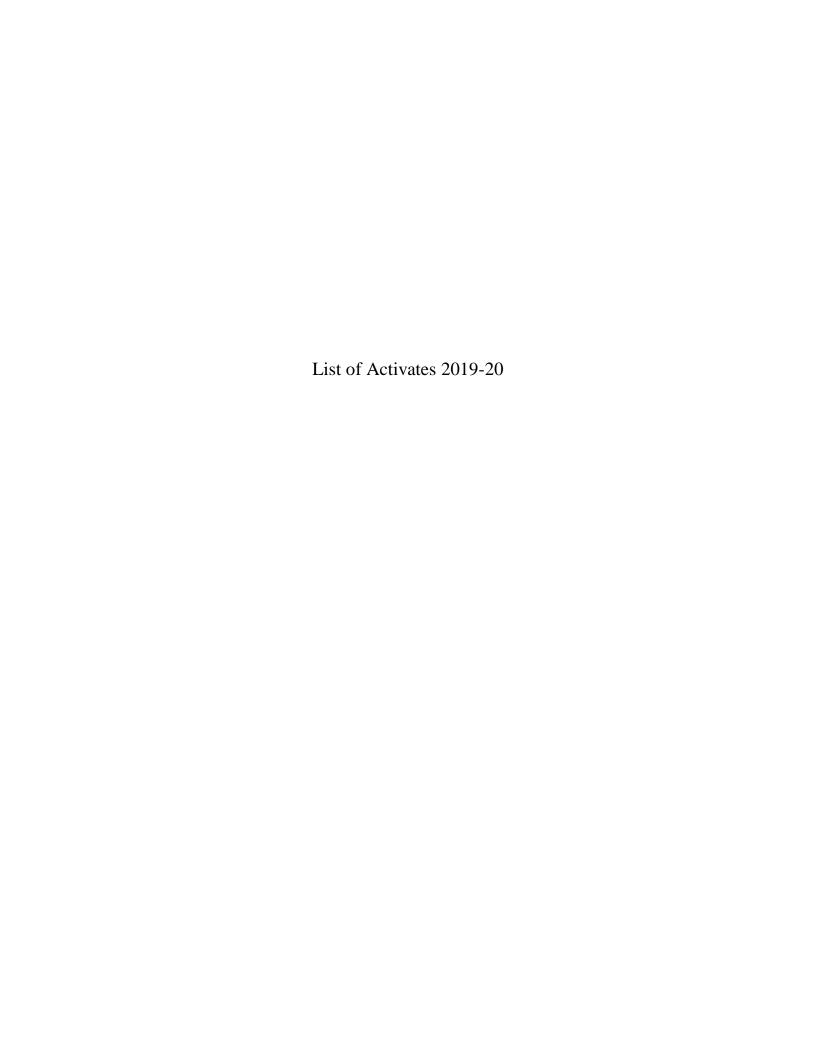
- 1. Energy Efficiency: We shall strive to reduce energy consumption by using energy-efficient appliances, lighting, and HVAC systems. All are requested to turn off lights and equipment when not in use.
- Waste Reduction: We shall minimize waste production by promoting recycling, composting, and reducing single-use plastics. All are expected to use reusable containers and utensils.
- 3. Transportation: We shall encourage the use of public transportation, carpooling, and biking for commuting to reduce carbon emissions. Remote work options will be promoted to reduce the need for daily commuting.
- 4. Water Conservation: We shall minimize water wastage by fixing leaks promptly, using low-flow fixtures, and avoiding unnecessary water usage in our facilities.
- Sustainable Sourcing: We shall preferentially purchase products made from sustainable and eco-friendly materials, and support suppliers with strong environmental commitments.
- Biodiversity Conservation: We shall maintain green spaces and landscaping to support local biodiversity and reduce the use of pesticides that harm the environment.
- 7. Environmental Education: We shall provide opportunities for employees to learn about and engage in environmentally responsible practices through workshops and information sharing. These policies are designed to becommitted to environmental responsibility, expect each employee to support these initiatives and actively participate in making our workplace more environmentally friendly.

Your cooperation is essential in achieving our environmental goals. Let's work together to protect our planet for future generations.

Thank you.

PRINCIPAL Tolani Commerce College ADIPUR - KUTCH GUJARAT - 370 205

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S. No.	Name of the activity	Date	Place	Boys	Girls	Total
1	Participation in Entrepreneurship Awareness Seminar	23/07/2019	Tolani Institute of Pharmacy, Adipur-Kachchh	17	19	36
2	Dr. Chetan Vora's lecture on Cleanliness, Health and Hygiene	01/08/2019	Tolani Commerce College, Adipur- Kachchh	39	38	77
3	Making the college campus clean	03/08/2019	Tolani Commerce College, Adipur- Kachchh	30	60	90
4	Swachhata Abhiyan at Galpadar Village	07/08/2019	Galpadar Ta. Gandhidham- Kachchh	29	44	73
5	Tree Plantation at Galdpar Village	07/08/2019	Galpadar Ta. Gandhidham- Kachchh	29	44	73
6	Visit to Gram Panchayat Office at Galpadar Village	07/08/2019	Galpadar Ta. Gandhidham- Kachchh	29	44	73
7	Making the public places clean	13/08/2019	Adipur-Kachchh	19	26	45
8	Arranging a rally on the theme of Swachh Bharat	14/08/2019	Adipur-Kachchh	32	58	90
9	Oath taking for Swachh Bharat	14/08/2019	Tolani Commerce College, Adipur- Kachchh	32	58	90
10	Participation in the Independence Day Celebration	15/08/2019	Tolani Commerce College, Adipur- Kachchh	10	14	24
11	Pulse Polio Awareness Programme	06/01/2020	Tolani Commerce College, Adipur- Kachchh	19	23	42

12	Participation in Pulse Polio Programme	19/01/2020	Meghpar (Borichi) and Adipur-Kachchh	18	13	31
13	Games' Day organized by NSS Volunteers for the college students	21/01/2020	Tolani Commerce College, Adipur- Kachchh	32	34	66
14	Food Fair organized by NSS Volunteers for the college students	22/01/2020	Tolani Commerce College, Adipur- Kachchh	30	34	64
15	Group Day Celebration organized by NSS Volunteers for the college students	23/01/2020	Tolani Commerce College, Adipur- Kachchh	31	32	63
16	Traditional Day Celebration organized by NSS Volunteers for the college students	25/01/2020	Tolani Commerce College, Adipur- Kachchh	30	30	62
17	Participation in the Republic Day Celebration	26/01/2020	Tolani Commerce College, Adipur- Kachchh	25	28	53
18	Serving food to the Children of Orphanage	26/01/2021	Tolani Commerce College, Adipur- Kachchh	25	28	53
19	Participation in the Opening Ceremony of the Computer Lab.	01/02/2020	Tolani Commerce College Adipur- Kachchh	32	52	84



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## **Activates of 2020-2021**

Sr. No.	Date	Participation in the Activity	Place	Boys	Girls	Total NSS Cadets Present
1	25 January, 2021	Voter's Day Celebration	The Magistrate Office Campus, Gandhidham- Kachchh	9	8	17
2	26 January, 2021	The Republic Day Celebration	Tolani Commerce College, Adipur-Kachchh	13	20	33
3	31January 2020 to 2 February, 2021	Pulse Polio Programme Arranged by Meghpar (Borichi) Physical Health Centre	Meghpar (Borichi) Ta. Anjar- Kachchh	10	05	15
4	10 April,2021	Covid Vaccination Camp Arranged by Tolani Commerce College, Adipur and PHC, Meghpar(Borich i)	Springdale School, Meghpar (Borichi)	1	6	7
5	11 April,2021	Blood Donation Camp	Sarashwati Vidyalaya Campus, Gurukul Road, Gandhidham		6	6

**Activities of 2021-2022** 

Sr No	Name of the Activity	Date	Place	NSS Boys	NSS Girls	Total NSS Volunteer s
1	Celebration of Guru Purnima	24 July, 2021	Tolani Commerce College, Adipur	01	01	02
2	Participation in a Lecture on 'गुरुः सर्ा पूज्यते' by Dr. Ramjan Hasaniya	24 July, 2021	Prabhu Darshan Hall, Adipur	02	07	09
3	Participation in MusicalHousie	7 Aug.,2021	Prabhu Darshan Hall,Adipur	19	52	71
4	Participation in Lecture on Blood Donation by Dr. Manish Pandya	11 Aug.,2021	Tolani Commerce College, Adipur	17	50	67
5	Participation in BloodDonation Camp	11 Aug.,2021	Tolani Commerce College, Adipur	17	50	67
6	Participation in Rashtragaan	5 Aug.,2021 to 14 Aug.,2021	Online Activity	11	45	56
7	Participation in the Celebration of the Independence Day	15 Aug.,2021	Tolani Commerce College, Adipur	17	40	57
8	Participation in 128 <sup>th</sup> Birth Anniversary Celebration of Kaka Pribhdas Tolani	25 Aug.,2021	Kaka Tolani's Samadhi, Adipur	10	33	46
9	Participation in Online Quiz on Kaka Pribhdas Tolani's Life	25 Aug.,2021	Online Activit y	4	16	20
10	Organizing the Celebration of the Teachers' Day	6 Sept.,2021	Tolani Commerce College, Adipur	22	39	71

11	Participation in Awareness Programme on Organ Donation and Dead Body Donation	17 Sept.,2021	Online Activit y	19	27	46
12	Participation in Pledge for Angdan Organized by Angdan Charitable Trust	17 Sept.,2021	Online Activit y	21	41	62

Sr No	Name of the Activity	Date	Place	NSS Boys	NSS Girls	Total NSS Volunteer s
13	Organizing the Celebration of NSS Day	24 Sept.,2021	Tolani Commerce College, Adipur	22	45	67
14	Participation in Online Quiz on Statue of Unity and Sardar Patel's Life and Work	22 Oct., 2021 to 31 Oct., 2021	Online Activit y	10	15	25
15	Participation in the Celebration of Ekta Divas	30 Oct.,2021	Tolani Commerce College, Adipur	19	40	59
16	Participation in Safai Abhiyan	30 Oct.,2021	Tolani Commerce College, Adipur	15	30	45
17	Participation in Thalassemia Camp	22 Dec.,2021	Tolani Commerce College, Adipur	12	28	40
18	Participation in Election Duty at Gandhidham Chamber of Commerce	26 Dec., 2021	Gandhidham	3	2	05
19	Participation in BloodDonation Camp	26 Dec., 2021	Adipur	4	4	08

20	Participation in the Celebration of the Voter's Day	25 Jan.,2022	Tolani Commerce College, Adipur	16	31	47
21	Participation in the Celebration of the Republic Day	26 Jan.,2022	Tolani Commerce College, Adipur	14	35	49
22	Participation in Photograph Exhibition	28 Jan.,2022	Tolani Commerce College, Adipur	15	34	49
23	Participation in Vaccination Camp	8 Feb.,2022	Tolani Commerce College, Adipur	14	15	29

Sr No	Name of the Activity	Date	Place	NSS Boys	NSS Girls	Total NSS Volunteer s
24	Participation in Pulse PolioVaccination Guidance Programme	23 Feb.,2022	Tolani Commerce College, Adipur	20	32	52
25	Participation in Pulse PolioVaccination Drive	27 Feb.,2022 to 1 Mar.,2022	Adipur and Meghpar (Borichi )	12	13	25
26	Organizing the Celebration of Group Day	4 Mar.,2022	Tolani Commerce College, Adipur	16	33	49
27	Organizing the Celebration of Red Day	5 Mar.,2022	Tolani Commerce College, Adipur	18	40	58
28	Organizing the Celebration of Signature Day	7 Mar.,2022	Tolani Commerce College, Adipur	14	34	48

29	Organizing the Celebration of Games and Sports Day	9 Mar.,2022	Tolani Commerce College, Adipur	13	36	49
30	Organizing Fancy Dress Competition and Traditional Day	10 Mar.,2022	Tolani Commerce College, Adipur	18	41	59
31	Participation in Two Days'Workshop on Ending Violence Against Children& Ensuring Educational Continuity	11 Mar.,2022 to 12 Mar.,2022	K.S.K.V Kachchh Uni.,Bhuj- Kachchh	01	02	03
32	Organizing Fireless Food Competition and Fun Food Fair	16 Mar.,2022	Tolani Commerce College, Adipur	11	19	30
33	Participation in HB TestingProgramme	17 Mar.,2022	Tolani Commerce College, Adipur	11	15	26

Name of the Activity: Tree Plantation

Date: 18/10/2018

Place: Tolani Commerce College, Adipur-Kachchh

No. of Students: 120





## **Rain Harvesting Survey**

**Date: June 2 2018** 



## Green Campus

