



Anekant Education Society's

TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati, 413102

Autonomous

Religious Minority Institute

NAAC Reaccredited 'A+', CGPA 3.55

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7.2.1 The Best practices

BEST PRACTICE: I

Title of the Practice: Green Initiatives

The Context: (150 words)

A Green Initiative is a strategy that integrates environmental-friendly practices and education to promote sustainable and eco-friendly practices on campus. The green initiative concept empowers institutions to create an eco-friendly culture and develop sustainable solutions to meet the environmental, social, and economic needs of humanity. Climate change is a serious issue affecting our environment. National Education Policy (NEP) 2020 emphasizes the significance of incorporating environmental education into the curriculum to promote awareness and sensitivity towards conservation and sustainable development. T.C. College is actively promoting environmental conservation through its best practice of Green Initiatives with an aim to raise awareness and encourage environmental care.

Objectives of the Practice (100 words)

- 1 To provide ample opportunities to the students and other stake holders of the college to actively participate in environmental protection initiatives.
- 2 To work with students, faculty and support staff to foster a culture of self-sustainability and make the entire campus environmental friendly.
- 3 To enable the college to develop the campus as a living laboratory for innovation
- 4 To reduce water footprint and enhance water quality and biodiversity in the campus
- 5 To protect and nurture the flora and fauna within the campus
- 6 To plant a rare and medicinal/herbal plants in the college garden.
- 7 To arrange seminars, workshops, and expert lectures focusing on environmental issues

The Practice:

A good education is not merely about getting a degree. It is about understanding our responsibilities to society and the world around us. Apart from imparting career oriented quality education to the students, the college believes in creating awareness among the students to care about the environment through various initiatives implemented in the college campus. The college is actively involved in the following practices related to green initiatives:

- **Solar energy:** The College has installed 22 KVA rooftop solar panels which is linked with Maharashtra State Electricity Board (MSEB) Baramati Zone grid system. The college has also conducted energy audit in the year 2020-21.

- **Rainwater Harvesting:**

The college is having rain water harvesting system to conserve the rain water. The college has established a rainwater harvesting unit with the capacity of 3, 00,000 liters. The large play grounds of the College and amenity buildings acts as a catchment area allowing to harvest substantial quantity of water that will help the campus to be self reliant to some extent for water requirement.

- **Solid Waste Management :**

Wet Waste especially from kitchen, such as vegetable refuses; food scraps etc. are disposed-off in biogas and Vermi-compost plant.

- a. Biogas Plant:**

As a part of kitchen waste management plan a biogas plant has been set up in the campus. Its capacity is 40 kg kitchen waste.

- b. Vermi-composting:**

Biodegradable wastes like garden foliage, waste food, etc. are decomposed in vermi-compost plant to produce vermin-compost. This compost is used in the college garden.

- **E-waste management:**

The college regularly organizes e-waste collection campaign with the help of croma in the college campus. Through this campaign, the college promoted 3 R's (i.e. Reuse, Recycle and Reduce).

- **Liquid Waste Management:**

The College has a facility of ETP plant for effluent from Chemistry, Botany, Zoology, Microbiology department.

- **Kavivarya Moropant Botanical Garden:**

The college has a well maintained and spacious Botanical garden which has more than 700 trees of 73 species. The botanical garden has separate sections like Medicinal Plant Garden, Cactus Plant Garden, Butterfly Garden, Bonsai Plant Section, and Nursery.

- **Tree Census with the QR Codes:**

Tuljaram Chaturchand College has done digitization of information of plant species with the help of QR code. By scanning such QR code we can access the information of plant species like family, local and scientific names, plant morphology, flowering seasons and uses of that plant.

- **Plastic Free Campus Campaign:**

To address the detrimental impact of plastic pollution the college conducted Plastic Free Campus Campaign on a regular basis to make the campus and the surrounding area free from plastic.

Workshops and Guest lectures on environment awareness:

Throughout the year, the college conducted various workshops on environmental awareness and energy conservation to educate students, faculty, and staff about the importance of preserving the environment and adopting sustainable practices.

List of the programs organized under Green Initiatives (2022-2023)

Sr.No	Name of the Activity	Date	Link of Activity
1	Tree Plantation at Jalgaon Supe	27/07/2022	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20effortsin%20initiatives%20in%20providing%20an%20inclusive%20environment/2022-23/2022-23%20World%20nature%20Conservation%20workshop%20jalgaon%20supe.pdf
2	Tree Plantation	07/08/2022	https://www.tccollege.org/wp-content/uploads/2024/02/NS-S-Regular-activity-Report-2022-23-1.pdf
3	A Campaign for Plastic Free Campus	27/08/2022	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20effortsin%20initiatives%20in%20providing%20an%20inclusive%20environment/2022-23/2022-

			23%20Plastic%20Collection.pdf
4	Workshop on “Smart Solar Automation and Tracking”	01-09-2022 to 03-09-2022	https://www.tccollege.org/wp-content/uploads/IQAC/2022-23/5.1.3%20Development%20and%20Skill%20Enhancement%20Activities%202022_23/Smart%20solar%20automation%20and%20tracking%20-%20Physics.pdf
5	Greener Living: Sustainable Energy Guest Lecture	22/09/2022	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20efforts%20in%20providing%20an%20inclusive%20environment/2022-23/Guest%20lecture%20on%20Greener%20Living%20Sustainable%20Energy.pdf
6	LED light manufacturing workshop	28/09/2022	https://www.tccollege.org/wp-content/uploads/IQAC/2022-23/5.1.3%20Development%20and%20Skill%20Enhancement%20Activities%202022_23/Workshop%20on%20Emergency%20ACDC%20Inverter%20LED%20Light%20Manufacturing%20-%20Electronics.pdf
7	National Wildlife Week	02/10/2022 to 08/10/2022	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.11%20Celebrates%20National%20and%20International%20Commemorative%20Days%20Events%20and%20Festivals/2022-23/2022-23%20National%20Wild%20Life%20Week%20-%20Zoology.pdf
8	Puneet Sankalp Cleanliness Drive by NCC	21/04/2023	https://www.tccollege.org/wp-content/uploads/2024/03/NCC-Report-2022-23.pdf
9	Lifestyle for the environment change and Mazi Vasundhara activity by NSS	31/10/2022	https://www.tccollege.org/wp-content/uploads/2023/10/Mazi%20Vasundhara%20Activity%20Report.pdf

		27/07/2022	content/uploads/2024/02/NS-S-Regular-activity-Report-2022-23-1.pdf
10	Millets Awareness Campaign	22/02/2023 to 26/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.9-%20Sensitization%20of%20students%20and%20employees%20of%20the%20institution/2022-23/Millets%20Awarenes%20in%20School%20docx.pdf
11	Agro Tourism Workshop	22/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/7.1.1%20Measures%20initiated%20by%20the%20Institution%20for%20the%20promotion%20of%20gender%20equity/Workshop%20on%20Agro%20Tourism%20Awreness%20Programme%20-%20Economics.pdf
12	E-Waste Campaign	07/02/2023 to 08/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8-%20Institutional%20efforts%20in%20providing%20an%20inclusive%20environment/2022-23/E-waste%20Campgain%20from%20Dept.%20of%20Retail%20Management.pdf
14	Terrace Gardening Workshop	27/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/5.1.3%20Development%20and%20Skill%20Enhancement%20Activities%202022_23/Workshop%20on%20Tarace%20Gardening.pdf
15	Science Day Celebration	28/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.11-%20Celebrates%20National%20and%20International%20Commemorative%20Days%20Events%20and%20Festivals/2022-23/2022-

			23%20National%20science%20day%20-%20EVS.pdf
16	Hands on Training of Solar Mobile Charging	23/03/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20effortsin%20initiatives%20in%20providing%20an%20inclusive%20environment/2022-23/2022-23%20Hands%20on%20Training%20on%20Solar%20Mobile%20Charging.pdf
17	World Ozone Day	15/09/2022	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20effortsin%20initiatives%20in%20providing%20an%20inclusive%20environment/2022-23/2022-23%20World%20Ozone%20Day%202022%20Poster%20Presentation%20&%20Quiz%20Competiton%20-%20EVS.pdf
18	Workshop on Biofertilizer	27/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.1.8%20Institutional%20effortsin%20initiatives%20in%20providing%20an%20inclusive%20environment/2022-23/2022-23%20Workshop%20on%20Bio%20Fertilizer%20-%20Botany.pdf

Obstacles faced/ Problems Encountered (150 words)

- Lack of sufficient funds can hinder the implementation of green initiatives such as installing energy-efficient systems, purchasing eco-friendly supplies, or organizing sustainability events.
- To bring any change in the approach of stakeholder is one of the challenges encountered by implementing a new policy. The practice of Green Initiatives has also faced resistance by the students as well as staff as many students and staff were not fully understand the importance how even small steps could contribute towards conservation of environment.
- Some of the infrastructures like biogas plant, ETP plant were old and needed up gradation.

- Engaging the entire campus community in sustainability efforts was difficult, as not all students, faculty, or staff were interested or motivated to participate in green initiatives.
- Society contribution is very less in the green initiative practices like campus beautification, environmental preservation, conservation, maintenance and sustainability.

Resources Needed

Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. The institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.

- Organization of various activities, workshops, seminars and guest lecturers for creating awareness among the college community in adopting sustainable behaviors.
- Setting up waste management infrastructure including recycling bins, composting facilities, and waste reduction programs.
- Support from college administration and governing bodies for prioritizing sustainability goals and allocating resources accordingly.

Evidence of success (200 words)

The increasing number of enrollment for admission in our college, surpassing the previous year's figures, serves as validation for the effectiveness of the best practices implemented by our institution. Through proper planning and execution the college has conducted various activities in the academic year 2022-23 with an aim to make the campus green and preserve our environment in a sustainable manner. Activities like tree plantation, plastic free campaign in the college and other places helped in making the area green and clean. The *E-waste collection drive* conducted at the college has become quite successful as there is a constant increase in the collection of e-waste. Programs like *Selfie with Plant* and *Punnet Sankalp* created awareness among the students about environment conservation. Various workshops like *Agro-Tourism* workshop and *Paper Making workshop*, helped the students in getting firsthand experience of ecological development.

BEST PRACTICE: II

Title of the Practice: Women Empowerment

The Context:

Providing quality education and maintaining gender equity are necessary tools for the sustainable development of a country. Regrettably, less girls and women get an opportunity to pursue education as compared to male students. It is the prime function of every educational institution to contribute to the welfare and the betterment of a society. Empowering women through education is a key to the upliftment of a society. An educational institute can definitely contribute to the sustainable development of the society by equipping girl students with more skills and knowledge. Increasing women's access to education frees them from many restrictive social norms such as domestic and sexual harassment, dowry, early marriage and unwanted pregnancies. In order to raise the position and dignity of women, the college has been engaging in a variety of campaigns for women's empowerment. There are many programs conducted by the college for health and safety of women on the campus. The college makes sincere efforts to on women's empowerment, personality development, and employment.

Objectives of the Practice:

- To educate and provide ample opportunities to girls students in curricular and extracurricular activities.
- To give equal opportunities to girl students in various committees/clubs/cells/student councils/academic and non academic bodies of the college
- To instill respect for women and an understanding of the value of women's empowerment.
- Providing counseling on health, gender equality, and safety awareness for girl students and women staff of the college.
- To extend financial help to the needy girl students as well as valuing the participation of female workforce in the college.
- To persuade society to preserve gender equality and save the girl child.
- To help bring about equality for women and the eradication of gender inequity.
- To establish a free and healthy environment for ladies on campus.

The Practice

Women Empowerment is one of the principal activities carried out in the college with an aim to help girl students to accomplish important goals in their career. The college aims to empower girl

students and faculty, enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for Women faculty, staff and students. The college has constituted Women Empowerment Cell to address the issues of girl students and women staff. The Cell seeks to develop a gender-sensitive community on campus as well as in the larger community. Its members are both college faculty and students.

Through this cell the college has organized some online activities like International Women Day, Psychological Counseling, Health Awareness programs etc. The syllabus of various courses included topics on gender equality, leadership and women empowerment. Guest lectures, workshops and group discussion have been arranged to motivate the girl students.

The following are some of the activities conducted by regarding women empowerment the college in the year 2022-23.

Sr.No	Name of the Activity	Date	Link of Documents
1	Guest Lecture on <i>Women Empowerment</i> by social activist Raziya Patel	03/01/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023-%20Guest%20Lecture%20Women%20Empowerment%20Raziya%20Patel.pdf
2	Special lecture on <i>Thyroid and Health Today</i>	27/12/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023-%20Jan.%20Tyroid%20Workshop%20Report%20-%20Women%20Committee.pdf
3	<i>Nirbhaya Kanya Workshop</i>	23/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023%20-%20Nirbhay%20Kanya%20Workshop%20-%20Women%20Empower%20Dept..pdf
4	<i>Health Check-up camp for women staff</i>	08/03/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023%20-%20Medical%20Chekup%20-Women%20Empower%20Dept..pdf
5	<i>Pre Recruitment Guidance in Police and Defense service</i>	17/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/5.1.4%20Details%20of%20Guidance%20Coaching%202022-23/5.1.4%20Activities%20Guidance%20for%20competitive%20examination

			s/Guest%20lect%20on%20Army%20Recruitment%20-%20Defence%20Studies.pdf
5	<i>Hands on Training on Language Training for Academic and Professional Success</i>	02/03/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/5.1.3%20Development%20and%20Skill%20Enhancement%20Activities%202022_23/HT%20-%20Academic%20and%20Professional%20Success%20-%20English_compressed.pdf
6	One Day Conference on <i>Sahitya, Samaj aur Stri</i>	5/01/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023-%20Jan.%20National%20Conference%20Sahitya%20Samaj%20Aur%20Street%20-%20Hindi.pdf
7	<i>Challenges for Women in Jobs</i> a guest lecture	13/03/2023.	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023%20-%20Opportunity%20in%20jobs%20for%20womens%20-%20Hindi.pdf
8	<i>Employability Enhancement Programme</i>	13/02/2023	https://www.tccollege.org/wp-content/uploads/IQAC/7.2.1%20Best%20Practices/2022-23/Women%20Empowerment/2023%20-%20Training%20Programme%20for%20Girls%20-%20ED%20Cell.pdf
9	One Day Workshop on <i>Mental Health and Hygiene for Girls</i>	30/12/2022	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/7.1.1%20Measures%20initiated%20by%20the%20Institution%20for%20the%20promotion%20of%20gender%20equity/Expert%20Lecture%20on%20%E2%80%9C%20Mental%20Health%20and%20Hygiene%20for%20Girls%20%20-%20Commerce.pdf
10	<i>Solidarity and Empowerment</i> student initiated programme on Nirbhaya Day	20/12/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/7.1.1%20Measures%20initiated%20by%20the%20Institution%20for%20the%20promotion%20of%20gender%20equity/Solidarity%20and%20empowerment

			%20-%20Journalism.pdf
11	<i>Opportunities in Self-Employment a one day workshop</i>	02/09/2022	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/3.3.2%20Entre%20Prenur%20and%20IPR%20Research%20Methodology%202022-23/Guest%20Lecture%20on%20Oppotunities%20in%20Self%20employment%20-%20Botany.pdf
12	<i>Gender Equality lecture competition</i>	01/12/2022	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/7.1.1%20Measures%20initiated%20by%20the%20Institution%20for%20the%20promotion%20of%20gender%20equity/Gender%20equality%20-%20Chemistry.pdf
13	<i>Poster Presentation on the occasion of Savitribai Phule Jayanti</i>	10/01/2023	https://www.tccollege.org/wp-content/uploads/IQAC/2022_23/7.1.1%20Measures%20initiated%20by%20the%20Institution%20for%20the%20promotion%20of%20gender%20equity/Poster%20Presentation%20Activity%20-%20RM.pdf

Obstacles faced/ Problems Encountered

Problems being faced and resources required in organizing these activities for development of girls' personality are as follows:

- In the year 2022-23 the 2584 girl students took admission in the college. Considering, the strength of the girl-students enrolled in the college, it was difficult to get all girl-students involved in these programs.
- Orientation programs need to be organized to increase their participation and involvement.
- Lack of awareness about the health, safety, rules, regulations and laws among the girl students.
- Existing educational infrastructure and quality of education is insufficient in addressing the issue of women empowerment.

- **Resources Required**

Teachers, support personnel, and college management all took part in the entire event in a sincere and active manner. An effort has been made to provide female students the same preference as male students while applying for various courses. There are

numerous female professors working in all of the college's departments because the institution has a strong anti-discrimination policy. To ensure student safety, the college has installed surveillance cameras all across the campus. Another important requirement for the resources was the funding necessary to put in place a variety of programs and amenities for the girl students. A considerable sum of money from the management's corpus has to be set aside for this project.

Impact of the Practice/ Evidence of Success

The purpose of Women Empowerment programs organized in the college is to encourage the girl students to actively participate in all the curricular and extra-curricular activities run by the college. The college strives to make them physically, mentally and emotionally strong and sound. The programs organized for women upliftment resulted in the following:

- The activities benefit the students, especially the girls. There is increase in the admission of girl students.
- Programs on gender sensitization, physical well being, women safety workshops etc. help in the overall development of the necessary personal, social, and professional skills of girl students.
- Increase in the awareness of health related issues and their remedies among the girl students.
- Sharp increase in the girls' participation in sports and cultural activities of the college.
- Heightened awareness on sex education and gender sensitization
- Girl students learn about their rights and laws.

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