



!! सिद्धिनेकान्तात् !!
Anekant Education Society's



Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati

- Affiliated to Savitribai Phule Pune University, Pune (M.S.) India •
 - Empowered Autonomous •
 - Jain Minority Institution •
- NAAC REACCREDITED 'A+' Grade (CGPA 3.55) •
- Website : www.tccollege.org •

Handbook of Green Campus



We for the Students

Prepared By

Prof. Dr. Avinash Jagtap
Principal

Prof. Dr. Sachin Gadekar
Editor in Chief

Dr. Madhuri P. Patil
Chairman

Prof. Dr. Ashok Kalange
Vice Principal

Prof. Dr. Yogini Mulay
Vice Principal

Mr. Abhinandan Shah
Registrar

Publisher

Principal
Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati. (Pune) M.S. India.

Publication details

Anekant Education Society's, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati,
Pune (MS) (Autonomous) Baramati-413102, District- Pune, Maharashtra, India
Tel. :(02112) 222728, 222405, Fax: (02112) 222728
Website: www.tccollege.org, Email: principal.tccollege@gmail.com

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Printed by

Yashwant Offset
Near Anant Mangal Karyalaya, Narsoba Nagar, Kolki Tal. Phaltan, 415 523 Dist. Satara (M.S.)

Important Note

This handbook is published for the college purpose / private circulation only.

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Anekant Education Society

Anekant Education Society established in 1961 with the inspiration and blessings of the late Saint Samantbhadra Maharaj and, under the guidance of late Hon. Shri. Fulchand Gandhi, Former Education Minister of Hyderabad state. The Jain philosophy 'Siddhiranekantant' is the motto and 'Anekantwad' is a preamble of society. Anekant Education Society started a college named as *Baramati College*, Baramati in June 1962, with 112 students and 12 teachers. Later, it was renamed as *Tuljaram Chaturchand College*, presently boasts over 10,000 students from different disciplines. Moreover, the society runs another degree college named *Jaysingpur College* in Jaysingpur, Dist. Kolhapur M.S. Furthermore, it extended its endeavors by establishing *Anekant Institute of Management Studies (AIMS)*, *Anekant English Medium School*, Baramati and *College of Pharmacy* from the academic year 2024-2025.

Anekant Education Society is run by Jain community and has been catering to the educational needs of students belonging to different strata of society. It has been awarded 'Jain Religious Minority Institute' status from the Government of Maharashtra. Since its inception, A.E. Society has been providing quality education and has been contributing to academic, social and cultural development of society.

Institutions of A. E. Society:

- Tuljaram Chaturchand College, Baramati, Dist-Pune
- Tuljaram Chaturchand Junior College, Baramati, Dist-Pune
- Jaysingpur College, Jaysingpur, Tal. Shirol, Dist - Kolhapur
- Anekant Institute of Management Studies(AIMS), Baramati, Dist-Pune
- Anekant English Medium School, Baramati, Dist-Pune
- Anekant Education Society's College of Pharmacy, Baramati, Dist.-Pune

About College

Anekant Education Society's Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Pune is one of the leading and prestigious colleges in Maharashtra established in 1962. Our motto, 'We for Students' is at the heart of everything we do at the college. The college celebrated its Golden Jubilee in 2012. Keeping pace with modern trends in higher education, the college has full fledged UG programmes in Arts, Science and Commerce along with PG programmes almost in all subjects of different streams as well as Ph. D. Research centers. Beside traditional courses we seek to develop and introduce need based, value added, skill based and career oriented new courses. However, the College has been reaccredited for the third cycle with 'A+' grade (CGPA 3.55) by NAAC, Bangalore in 2017.

It has been awarded the status of 'College with Potential for Excellence' by UGC, and has been selected for STAR College scheme by DBT & DST-FIST scheme by DST, New Delhi. The college received several awards from Savitribai Phule Pune University, Pune including Best College Award, Best Principal Award, Best Student Welfare Officer Award, Best NSS Coordinator Award, Best NSS Unit Award, Best NSS volunteer award and also the recipient of awards from the Maharashtra Government.

The college under UGC scheme of skill development based higher education, started the new generation Bachelor of Vocational degree programmes from June 2014-2015 such as 1) Food Technology and Research and 2) Journalism and Mass Communication 3) Retail Management 4) E - Commerce and Digital Marketing 5) Dairy Technology 6) Networking and System Administration based on the National Skills Qualification Framework, (NSQF) to create employable graduates and skilled young entrepreneurs. Considering the overall academic progress of the college, UGC, New Delhi conferred the an Autonomous status to the college from December 2018 to December 2029 and in 2024 Savitribai Phule Pune University conferred the Empowered Autonomous Status.

Vision

Our vision is to impart career oriented quality education at par with national and international standards in various fields of knowledge including Humanities, Social Sciences, Basic Sciences, Commerce and research by developing moral values in the youth with a view to make them responsible citizens of India.

Mission Statement

Tuljaram Chaturchand College of Arts, Science and Commerce, run by Anekant Education Society, the Religious Minority Institute with the preamble, *Siddhiranekantat* means *Anekantwad* (Multidimensionalism), seeks to build nation by empowering the youth through skill and career oriented educational and vocational programmes.

Objectives

- 1) To empower the student especially from the rural area through curricular, co-curricular, extra-curricular and extension activities.
- 2) To empower the student through modern learning resources.
- 3) To impart value based career oriented programmes and to nurture various skills.
- 4) To provide the girl students equal opportunities and empower in different fields of knowledge.
- 5) To develop research culture among the students and faculty and carry out community oriented eco-friendly research for the development of society.
- 6) To undertake collaborative programmes and to carry out consultancy services through interaction with academia, industries and society at large.
- 7) To undertake faculty development programmes to improve academic quality of the institute.
- 8) To enhance students access to learning materials by means of central and departmental libraries and effective use of ICT.
- 9) To create awareness in the society to conserve natural resources and wild life.
- 10) To provide need based vocational training to the students.

Foreword

It is necessary to have green environment agenda of each institution and need for an environmental plan that delineates permanently green areas and preserves biodiversity. Educational organizations need to promote healthy learning environment by creating sufficient open and naturally forested spaces in addition to play-grounds, gardens, careful land-use planning and reduction in carbon emission. In addition to this, rainwater harvesting for water recycling, active use of energy harvesting methods, efficient use of building design & natural resources to minimize energy utilization & thereby carbon emission.

It is deeply hoped college campus will take their initiative forward, become front runners and set the highest possible goals for environmental sustainability, more campuses will come forward to launch or scale up green campus initiatives and share information on their experiments to help create a strong cross learning platform. It is also expected that this bottom-up learning will further help to strengthen the top-level policies on resource efficiency and sufficiency to take the green campus movement forward.

Tuljaram Chaturchand College, strive to embark their journey of resource prudent practices and methodologies pertaining to areas of significant environmental concerns, e.g. land, energy, water, waste, air etc. among youth of college. Every year college conducts Green Audit in order to maintain eco-friendly environment in the campus. The green initiatives taken by the college to keep campus green are,

- *Green land*
- *Energy conservation*
- *Water conservation*
- *Waste management*

CONCEPT OF GREEN CAMPUS

The concept of a green campus revolves around creating environmentally sustainable practices and structures within a university or college campus. This encompasses a wide range of initiatives aimed at reducing the environmental impact of campus operations, promoting conservation efforts, and fostering a culture of sustainability among students, faculty, and staff. Overall, a green campus aims to minimize its ecological footprint while serving as a model for sustainable practices that can be adopted by other institutions and communities.

Key Components of A Green Campus Includes:

1. **Green land:** Among 38 acres of the campus 12 acres are under green canopy. Institution has developed lush-green campus by planting large number of plants. Institution has planted around 700 plants of various varieties in Botanical garden, ground and footpath. The ratio of plants existing and human activities in the campus is about 1:12.
2. **Energy efficiency:** Use of energy efficient systems, energy savings, use of renewable energy like solar, wind power, biogas unit. Implementing measures to reduce energy consumption, such as using renewable energy sources like solar or wind power, optimizing heating, ventilation, and air conditioning systems, and promoting energy-saving practices like turning off lights and electronics when not in use.
3. **Water conservation:** Implementing water-saving technologies and practices, such as low-flow fixtures, rainwater harvesting systems, landscaping and leaf litter mulching technique and drip irrigation is used in all campus area and Botanical garden
4. **Waste reduction and recycling:** Establishing recycling programs for paper, plastics, glass, and other materials, as well as composting organic waste. Encouraging practices such as reducing single-use plastics and packaging, and promoting reuse and up cycling. Hazardous waste to be processed through an external agency. Effluent treatment plant is installed for recycling of laboratory water.
5. **Green buildings:** To meet green building standards, all the buildings of campus are naturally well ventilated and illuminated. Building direction and design also prevents

heating during summer using sustainable materials, improving indoor air quality, and designed for energy efficiency.

6. **Transportation alternatives:** Promoting alternative transportation options such as walking, biking, carpooling, and public transportation to reduce carbon emissions from commuting. Providing bike lanes, bike-sharing programs, and electric vehicle charging stations can also encourage sustainable transportation.
7. **Education and outreach:** Institute is conducting environmental awareness programs amongst the students and society through workshops, seminars, street play, NSS and NCC scheme, Green club activities and in collaboration with NGO “Environmental Forum of India” Baramati. as well as Baramati Municipal Corporation.

A Short Profile

Anekant Education society's Tuljaram Chaturchand College, Baramati where sustainability meets education. As a green campus, we are committed to reducing our environmental footprint and fostering a culture of environmental stewardship among our students, faculty, and staff. Through initiatives such as energy efficiency measures, water conservation efforts, waste reduction and recycling programs, and sustainable building practices, we strive to create a campus environment that promotes sustainability in all aspects of university life. From green transportation options to educational outreach programs, we are dedicated to integrating sustainability into every facet of campus operations. Join us in our mission to create a healthier, more environment friendly future for all."

A Short History Behind Green Campus

The concept of the green campus emerged in response to growing environmental concerns and the recognition of the significant environmental impact of higher education institutions. Today, the green campus movement continues to evolve, with universities around the world implementing a wide range of sustainability initiatives. From renewable energy projects and water conservation measures to waste reduction programs and sustainable transportation options, green campuses are leading the way in demonstrating how institutions can make a positive impact on the environment while educating and inspiring future generation.

Management always boosts the employees for green initiatives and the students of the college look after the environment carefully. Every year, during rainy season, Seed Ball making workshop is conducted by college for 11th and 12th students. Later these seed balls are planted in nearby areas. Tree plantation is carried out by NSS, NCC as well as different departmental activities. In every programme of college sapling are given to guests as well as students on their achievements in exams.

College has incorporated its own environmental policy for Green audit which was carried out by Green audit committee every year. Key objectives of Environmental Policy are-

- a. To introduce and aware students to real concerns of environment and its Sustainability. To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.
- b. To maintain pollution free campus by avoiding tobacco, pan-masala etc, chewing in the campus.
- c. To Use Solar Energy in College Campus by Solar Lamps; Solar water Heater in girls Hostel.
- d. To sensitize the students and staff regarding the use of drinking water properly for which, we have provided aqua-guarded drinking water facilities in the campus.
- e. To bring into use the „Rain Water Harvesting“ in the campus. We have collected the rain water from the college roof and it is percolated in the land.
- f. To use „No Vehicle Day“ concept and keep the campus vehicle free. It helps to save the fuel and make the people use their own natural means.
- g. To use the ICT and use minimum paper. It will help to go towards „Paperless Office“.
- h. To use the garbage for recycling it in the room of fertilizers with the help of wormy compost plant.

- i. To reduce the „sound pollution the campus, we have built the seating arrangements in the shade of trees in our campus.
- j. To use „Use me“ dust bin in the college campus so as to keep college campus clean.

Creating Green Campus

It involves a systematic approach that incorporates various stakeholders, strategies, and initiatives. College always targets for reducing environmental impact and improving sustainability across campus by organizing environmental awareness programs for staff and students by delivering expert lectures, street plays, poster and model presentation activities, workshops and competitions student are involved in the planning and implementation of sustainability initiatives. It provides training and resources to empower campus stakeholders to adopt sustainable practices in their daily activities.

'GREEN' INITIATIVES OF THE CAMPUS



Activities Conducted Under Green Campus Initiatives

1. Educational Workshops and Events:

College is organizing workshops, seminars, and lectures on environmental topics, sustainability practices, climate change awareness, environmental issues, film screenings, panel discussions, and guest speaker events to engage and aware the campus community in environmental issues.

2. Sustainability Clubs and Organizations:

Establishing student-led sustainability through green clubs to promote eco-friendly initiatives and advocacy on campus. Hosting sustainability-themed events, campaigns, and initiatives led by student groups, on commemorative days celebration like world nature Conservation Day, Zero Emission day, World Environmental Day, Earth Day, World Soil Day, eco-friendly initiative competitions and campus clean-up drives.

3. Waste Reduction and Recycling Programs:

Implementing comprehensive recycling programs for paper, plastics, glass, metals, and other materials across campus. Organizing electronic waste (e-waste) recycling drives and hazardous waste collection events. College has taken an initiative to dispose wet waste by the installment of vermicompost unit in botanical garden and biogas unit in Ladies Hostel Mess. In botanical garden dry leaf waste is utilized for preparation of Compost which is utilized to garden plants itself.

4. Energy Conservation Initiatives:

Energy conservation campaigns launched to raise awareness about the importance of reducing energy consumption and implementing energy-saving practices.

Energy audits are conducted to identify opportunities for improving energy efficiency in campus buildings and facilities. Implementation of energy-saving measures such as upgrading lighting systems, optimizing HVAC systems, and installing energy-efficient appliances and equipment.

5. Water Conservation Efforts:

Water-saving fixtures and appliances, such as low-flow toilets, faucets, and showerheads, are installed in campus buildings. Water conservation awareness campaigns and initiatives are taken to encourage responsible water usage among students, faculty, and staff. In landscaping practices that minimize water usage are incorporated such as using drought-resistant and native plants plantation. Rainwater harvesting systems are in college campus that harvests about 302000 liters of water.

6. Green Transportation Programs:

Promotion to alternative transportation options such as walking, biking, carpooling, and public transit through infrastructure improvements and incentives is carried out. Hosting of events such as No vehicle day, PUC testing drive, bike safety workshops, and electric vehicle charging stations to showcases to promote eco-friendly transportation choices.

7. Community Engagement and Outreach:

NSS and NCC units are playing active role in tree plantation programmes in as well as outside campus. Different departments also in collaboration with nearby villages and local community organizations, environmental groups, and government agencies working on sustainability initiatives and community service projects. NSS unit every year through activities engaged in local environmental clean-up efforts, tree planting campaigns, tree census programmes.

8. Green Building and Infrastructure Projects:

Sustainable design principles into new construction and renovation projects, aiming for green building certifications are installed. Retrofitting in existing buildings is also done to improve energy efficiency, indoor air quality, and overall sustainability performance.

Renewable energy systems are prepared and installed into college campus such as solar lamps, solar panels and wind turbines to reduce reliance on fossil fuels and decrease carbon emissions.

These activities, when implemented collectively as part of a green campus initiative, can help colleges create a culture of sustainability and environmental stewardship that benefits both the campus community and the broader society.

New Initiatives

Simple steps and a collective environmental audit can reduce inefficiencies in use of water and energy, reduce waste, promote local greenery to conserve biodiversity and reduce heat island effect. This can even lead to considerable resource savings. This can even lead to curriculum based hands on problem solving experience for the campus residents while promoting real life work experience and education.

Anekant Education Society's Tuljaram Chaturchand College, is Jain Minority Religious College, offers vegetarian and vegan meal options to promote plant-based diets and reduce the environmental impact of food production.

Best practices under Green Campus:

- NSS unit of our college adopted Asu-pawarwadi, Songaon, Barhanpur, Anjangaon villages for environment awareness and planted near about **500 plants through their activities.**
- College continuously conducting awareness programmes for staff, students and society for protecting and maintaining environment by arranging road shows, rallies on various issues related to environment and health.
- Every month second and the fourth saturday is declared as **no vehicle day** in our college to avoid pollution.
- Out of 40 acres of the campus, 11.3 acres are under canopy. Institution has developed lush-green campus by planting around **739 plants of 73 different varieties.**
- In every programme of college **saplings** are given to guests for felicitation and students are also appreciated by giving saplings for their activity.
- One „**Oxygen Park**“ has been established in the Botanical garden of college in the year 2017-18. It is established in the area of 1000 sq ft. in which holy basil (Tulsi) has been planted.



PHOTO PLATES



Plate 1: Solar panels installed in College campus



**Plate 2 :
Rain Water Harvesting units in college**



Plate 3: Biogas unit installed in Ladies Hostel for Wet waste



Plate 4 : Compost unit is installed in College botanical garden for garden waste decomposition.



Plate 5: Plastic Collection Drive



Plate 6 : Plantation Activity on the occasion of World Nature Conservation Day At village Jalgaon Supe.



Plate 7: One day workshop on “Wastewater treatment and ZLD” held dated on 2nd February 2024 by Department of Environmental Science.



Plate 8: Tree counting campaign in „19 wards of Baramati Municipal council from 24th February 2020 to 21st March 2022. with Baramati Municipal Council Tuljaram Chaturachand Arts, Science and Commerce College“s ,NSS and NCC unit under Govt. of MH My Earth Mission.

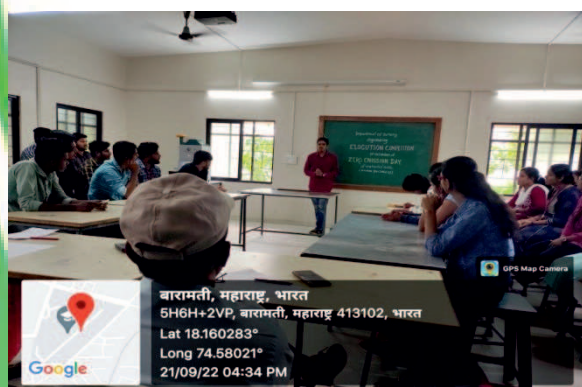


Plate 8: Department of Botany organized Elocution competition on the occasion of Zero Emission Day



Plate 9: Effluent Treatment Plant (ETP)



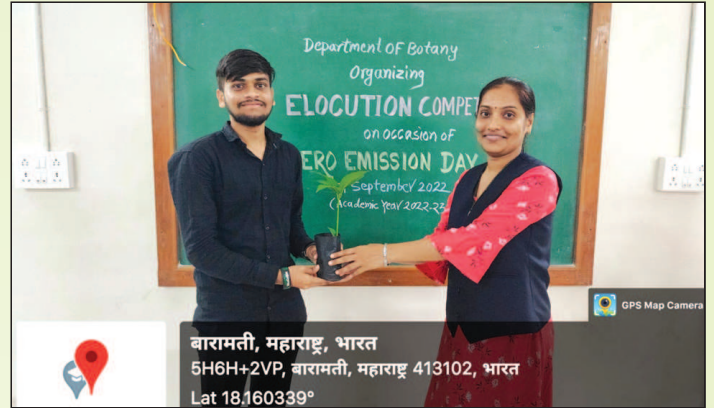
Plate 10 : E-waste collection joint campaign by Tata Croma Store, Baramati and Tuljaram Chaturchand College, Baramati.



Plate 11: Department of Botany organised Campgain to save water on occasion of World Water Day 22 March 2024



Department of Economics had arranged tree plantation in the village Asu-Pawarwadi, Tal. Baramati, Dist. Pune; on 01st September, 2019.



HIGHLIGHTS

- NAAC recredited ('A+' Grade) for third cycle.
- Qualified and experienced teachers, eminent scientists and scholar academicians are visiting faculty State-of-Arts, sophisticatedly furnished, air conditioned computer laboratories.
- Campus Networking, Internet cafe, Wi-Fi compability.
- Well equipped science laboratories, English language laboratory, Commerce laboratory, Central Facility Centre for research.
- A Unique library with collection over 1,19,976 books, N/I Journals, AV materials and specious reading rooms.
- A play ground, 400 m. running track, separate courts for indoor and outdoor games and well equipped gymnasium hall.
- Separate hostel with high class residential facilities.
- Digital office administration.
- A host of most prestigious and famous 'Moropant elocution and debate competition.'
- Earn and Learn Scheme.
- Competitive examination guidance.
- Placement cell.
- Student's Co-operative Consumer Store.
- Centre for Innovative and Applied Research (CIAR).
- Eco friendly college campus with Botanical Garden, Cafeteria.
- Auditorium and Advanced A / V Seminar Hall.
- Govt., University and other scholarship and freeships for meritorious and deserving students.
- Karmveer Bhaurao Patil Elocution Competition.
- National Cadet Corp (N.C.C.), National Service Scheme (N.S.S.).
- Personality development workshops.
- MoU with national & international institutions.
- Centre for Oriental Studies.
- 'Anekant' Miscellany.
- TCC Chronicle, a quarterly newsletter.
- Research centers for Ph. D. programme.
- Centre for Foreign Language Studies.
- COC / COP / Add-on Courses.
- Anekant: Journal of Humanities & Social Sciences.
- Largest Acoustic Television studio.
- Semester system pattern.
- Credit system evaluation.
- Certificate courses for skill development.
- Police outpost in the campus.



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