

# “Nurturing Excellence, Fostering Innovation: Shaping Industry - Ready Leaders of Tomorrow”



*Education is the  
most powerful  
weapon which  
you can use to  
change the world.*

NELSON MANDELA





"**EDUCATION** IS THE MANIFESTATION OF THE  
PERFECTION ALREADY IN MAN"

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"ALL POWER IS WITHIN YOU;  
YOU CAN DO ANYTHING AND EVERYTHING"

- Swami Vivekananda

# Transforming our Students to Employable Professionals



## ABOUT GSFC UNIVERSITY

GSFC University is incorporated under the Gujarat Private Universities Act 2009 on 18<sup>th</sup> December 2014 and is promoted by Gujarat State Fertilizers and Chemicals Ltd.(GSFC) through GSFC Education Society as its Corporate Social Responsibility (CSR) initiative to continue the tradition of serving the community in multiple ways.



## VISION

GSFCU strives to be the best compact, boutique institution with a futuristic approach, encouraging student centric culture and a sharpened focus on developing industry ready & employable students with all-round development.

## MISSION

- Establish an institution, which promotes creativity & innovation.
- Develop unique quality standards for academic excellence and pedagogical innovations.
- Remain agile through learning ecosystem with flexible processes & systems.
- Holistic growth for Industry readiness.



Our Educational abode dwells on the philosophy of "Buddhi Gyanen Shudhayanti". It means purification of mind and intellect through knowledge, which is vital to human life. It strengthens the path of success towards perfection. All the while being compassionate towards mankind and society at large. A huge banyan tree is a part of our logo. It symbolizes multiple roots of innovation that sprout towards sustainable growth. The rising Sun in the background of banyan tree in the logo, symbolizes plethora of opportunities for accomplishment in life.

# WHY GSFC UNIVERSITY?



At GSFC University, we are dedicated to elevating the academic, personal, and professional growth of our students, ensuring they are well-equipped to meet the ever-evolving demands of employers, the economy, and society at large. With a focus on fostering a holistic educational experience, we empower our students to excel and thrive in today's dynamic landscape.

## DIFFERENTIATORS / USPs





## PROBLEM BASED, FLEXIBLE & COLLABORATIVE LEARNING

GSFC University fosters a dynamic learning environment that goes beyond traditional methods. With state-of-the-art facilities and a focus on real-world application, students engage in hands-on experiences, collaborative projects and industry internships aiming at developing required skillset.

### Key Features:

- Innovative and hands-on learning pedagogies.
- Real-world context through classroom sessions, field projects and internships.
- Campus ambience encourages student-faculty interaction and inquisitiveness.
- Flexible indoor and outdoor spaces for teamwork, projects and reflection.
- Faculty collaboration with industry experts ensures contemporary curriculum.
- Courses designed with input from senior professionals for best practices.
- Inclusion of internship programs in all courses for practical skill development.
- Education journey begins with a holistic foundation course in the first year.
- Focus on soft skills and values to have holistic development.

## INNOVATIVE PRACTICES

- Extensive & Intensive Industrial Internship
- Industry-sponsored R&D Projects.
- Regular visits to Industrials Plants.
- Emphasis on personality development through student managed clubs and well-designed foundation courses in the first year.
- 50% industry representatives in Board of Studies.
- 30% teaching lessons are delivered by faculties from industry.



## CHOICE BASED CREDIT SYSTEM (CBCS)

- Designed to offer students a broader range of options in line with NEP 2020.
- Structured around Core and various elective courses.
- Empowers students at tune to their learning experience.

## Green & Safe Campus

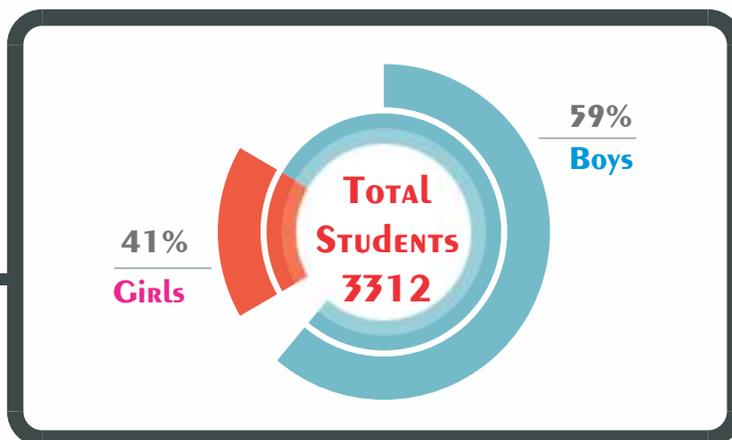
- A Second Home for Students - School of Technology (SOT), School of Science (SOS), and School of Management (SOM)
- Five-Year Institutional Development Plan (IDP) is being developed in line with NEP 2020 in place.
- New Hostel building is under construction.
- Continuous enhancement and modernization of existing facilities.
- Commitment to innovation through the addition of new educational and recreational spaces.
- Continuous transformation and revitalization of the campus.

## Academic Excellence with Exceptional Resources

The University helps students reach their academic excellence by offering best of the resources and facilities to support their learning.

- Fully functional laboratories for all courses.
- Library with extensive digital and printed resources, journals, research articles, books and encyclopedias.
- Digital Campus Infrastructure.
- Air-conditioned auditorium for cultural programs and conferences.
- Smart classrooms enhancing interactive learning.

## STUDENTS ON THE CAMPUS



## PROGRAMS OFFERED

### SOT (SCHOOL OF TECHNOLOGY)

#### B.Tech.

- Computer Science & Engineering (specialization in Data Science, AI & Machine Learning | IoT & Automation | Cyber Security)
- Chemical Engineering
- Fire & Environment, Health, Safety Engineering

#### B.C.A.

- B.C.A (Bachelors of Computer Applications)

#### Ph.D

- Computer Science & Engineering

#### Post Graduate Diploma in

- Industrial Safety

### SOS (SCHOOL OF SCIENCE)

#### B.Sc. (Hons.)

- Chemistry
- Biotechnology
- Microbiology

#### B.Sc.

- Data Science

#### M.Sc.

- Chemistry (specialization in Organic Chemistry | Analytical Chemistry)
- Biotechnology
- Microbiology
- Data Science

#### Ph.D

(Full Time / Part Time)

- Chemistry
- Biotechnology
- Microbiology
- Mathematics

### SOM & LA (SCHOOL OF MANAGEMENT STUDIES & LIBERAL ARTS)

#### B.B.A

- B.B.A (Business Analytics)
- B.B.A (Specialization in HR | Marketing Accounting & Finance | IT Management)

#### B. Com./B. Com. (Hons.)

#### M.B.A

- M.B.A (Specialization in HR | Marketing | Finance | Business Analytics)

#### Ph.D in Management

## VIBRANT CAMPUS





## INDUSTRY CONNECT & INTERNSHIP PROGRAM

GSFC University is dedicated to shaping industry-ready students through its visionary approach. The university's Industrial Internship Program, conducted at the end of each semester, is a key element in achieving this goal. Students are paired with both a faculty and industry mentor for a four-week internship, carefully aligned with the curriculum. The university emphasizes evaluation by both mentors and employs a monitoring system facilitated by the Prayaas mobile application.

With a focus on practical exposure, the program constitutes 15-20% of the total course duration, carrying 2 credits.

### Features:

- **Mentorship:** Students have both faculty and industry mentors for guidance.
- **Curriculum Alignment:** Internship topics and companies are chosen to align with the curriculum.
- **Four-Week Internship:** A structured four-week program provides hands-on experience.
- **Monitoring System:** Evaluation by faculty and industry mentors with support from the Prayaas mobile app.
- **Industry Collaborations:** Strong partnerships with 900+ companies showcase extensive industry connections.
- **Continuous Education:** Industrial training is seamlessly integrated, constituting 15-20% of the total course duration.
- **Diverse Opportunities:** Internships span various sectors, offering exposure in Biotechnology, Chemicals, Pharmaceuticals, Energy and Healthcare.



## DYNAMIC LEARNING AND DEVELOPMENT INITIATIVES

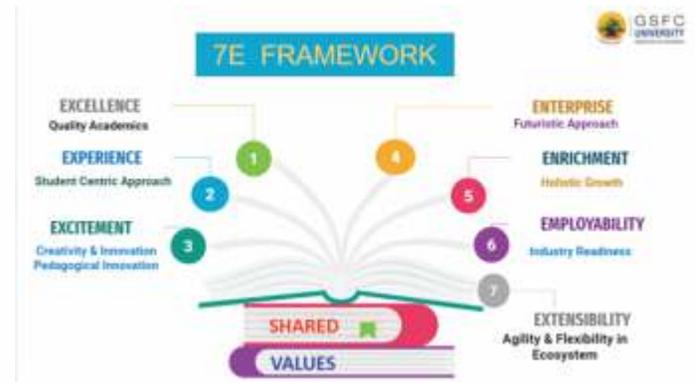
GSFC University is dedicated to offering exceptional learning experiences to its students. Our expert academicians not only excel in their respective fields but also maintain a keen connection with industry trends. Just as we encourage students to cultivate inquisitive minds and pursue their research projects, our faculty too is also required to actively involved in applied research-oriented projects and activities for various industries.



## University Quality Evidence (UNIQUE) Parameters

The 7E Framework is a strategic tool employed by GSFC University to systematically enhance academic and administrative performance in alignment with the institution's vision and mission. This structured approach assesses excellence, experience, excitement, enterprise, enrichment, employability, and extensibility at program, school, and administrative levels. By evaluating these key parameters, the framework enables continuous improvement and ensures the university's quality. It can be leveraged.

- To identify the effectiveness of the parameters
- To identify stronger and weaker elements for future appropriate actions.
- To facilitate change in the University as an organization.
- To help implement new strategy with regard to New Education Policy.



## GUITAR COUNCIL Startup Ecosystem @ GSFC University



### RECOGNITION OF NODAL INSTITUTE, GOVT. OF GUJARAT

GUITAR Council, a Section 8 Company promoted by GSFC University has been recognized as a Nodal Institute by Industries Commissionerate, Govt. of Gujarat under the scheme for Assistance for Startups/Innovation, Gujarat Industrial Policy-2020.



### RECOGNITION UNDER STUDENT STARTUP AND INNOVATION POLICY (SSIP), GOVT. OF GUJARAT

GSFC University has signed a MoU with Gujarat Knowledge Society (GKS) a nodal agency of Govt. of Gujarat to implement Student Startup and Innovation Policy (SSIP) at University.

#### Assistance to Student/Alumni:

- PoC/Prototype Development : Upto INR 2.50 lakhs grant.
- Intellectual property Filing : Upto INR 75,000 for domestic and INR 1.50 lakhs for other countries.
- Seed Support : Upto INR 30.00 lakhs grant.

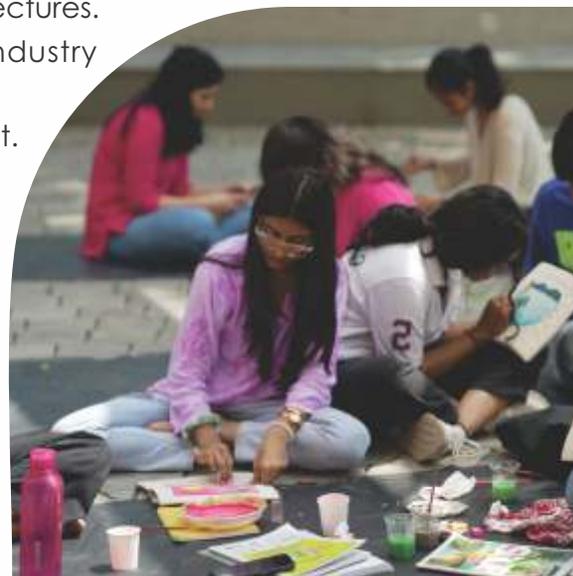


## BEYOND CURRICULUM

GSFC University recognizes that success extends beyond degrees. To thrive in the professional world, students need more than academic qualifications. The university focusses on cultivating leadership, critical thinking, problem based learning experience, networking, and soft skills to empower students for their dream careers.

### Key Features:

- Degree alone is insufficient for job success; additional skills are crucial, so emphasis is given
- Structured academic life includes workshops, seminars and guest lectures.
- Interactive events for networking and connecting with industry influencers.
- Encourages genuine interest in learning and personal development.
- Professional mingling opportunities on GSFC company premises.
- Recreational avenues like golf and company library for informal interactions.
- Learning grounds for etiquette and personality development.
- Active participation in activities earns credits for additional certifications.



## STUDENT MANAGED CLUBS & STUDENT CHAPTER

GSFC University's Students Managed Clubs (SMC) play a pivotal role in fostering active and participative learning, providing students with a dynamic platform to exchange innovative ideas. These clubs are dedicated to engaging students in various activities that promote social responsibility, civic engagement, industrial understanding, project management, and meticulous documentation, all aimed at cultivating and developing a skilled and versatile human capital.



Music Club



Community Services Club



Sports Club



Adventure Club



Elite Management Club



Theater Club



Dance Club



Debate & Elocution Club



Smart Data Club



CODE Club



Biotechnology Club



Indian Heritage Club



Mathematics Club



Chemistry Club



Photography Club



Environment Club



## STUDENT CHAPTER



### Beyond Classroom Academics

#### Diverse Interests:

- Students can explore sports, cultural, technical, literary or other areas of interest.
- Free to form clubs to pursue their chosen activities.

#### Networking Opportunities:

- Campus life encourages networking beyond academic realms.

#### Vibrant Campus Life:

- Animated with festivals, competitions, and year-round club activities.





### CELEBRATING DIVERSITY

- **Location of University Campus :** GSFC University is located at the immediate outskirts of Vadodara city-a cultural heritage and cosmopolitan city.
- **Convenient Amenities:** Ample choices for dining, shopping, and leisure near the campus. Theatres, markets and cultural venues easily accessible.

### Student Selection Process:

- **Merit-Centric Approach:** Admissions are based on a comprehensive and on merit-basis.
- **Gender Equality:** Currently with 40% girl's students, aiming for 50% girl students for balanced representation.



## A HOME AWAY FROM HOME

GSFC University provides an on-campus residences that prioritize student comfort and convenience, creating a home-like atmosphere.

### Key Features

- Comfortable and convenient on-campus residences.
- Shared Accommodation
- Students Safety and Security are Top Concern.
- Design fosters a sense of home and a big family environment.
- Common spaces available for relaxation, interaction and studying.



### Progressive Equity Initiatives:

- Gender-Friendly Campus: The University has endorsed a progressive Gender Framework, aiming to create an inclusive and supportive environment for girls.
- Empowering Academic & Personal Potential: Focused on enabling girls to realize their full academic and personal capabilities.



## FIREPLEX - AGNISANKUL

FirePlex-Agni Sankul, a state-of-the-art Fire & Safety training facility was inaugurated on 23rd September, 2023 by our esteemed Chief Guest Shri Mukesh Puri, MD, GSFC Ltd. This pioneering initiative was set up with the support of AAAG, a renowned manufacturer of Fire Equipment. This has set a new benchmark in Fire & Safety Training.

DISH (Directorate of Industrial Safety and Health)-Govt. of Gujarat has approved GSFC University as approved training under section 111A of The Factories Act, 1948. The facilities created can be used for professional training and students in the area of Fire and Safety.



### Objective of Establishing FirePlex:

- To develop FIREPLEX as a unique place of state of art practical training to impart training in Fire protection, Firefighting and Rescue Techniques using state of the art facilities.
- Address the Skill Gap and Emphasize Industry-Centric Education
- To Promote Industry-academia Collaboration
- To develop students ready to serve industries, institutions & Organizations
- To create a sense of awareness among surrounding industrial community and citizens in the area of Fire & Safety.



## President's Initiative for Nurturing Unlimited Potential of Students

GSFC University envisions their students industry-ready and employable with holistic development following a student-centric approach. President of the GSFC University feels concerned about the future of the students and the role played by the University in fulfilling the vision. Therefore, it requires a special initiative whereby at least 5% of the brightest students of the University can be guided, supported and mentored with special activities so that they become distinct in their identity to make a mark in the real-life world.

### OBJECTIVES

- Groom top 5% students for successful careers and life by uncovering their hidden potential.
- Academic Advancement and Research exposure.
- Career guidance
- Personalized mentoring.
- Nurturing potentials for optimal outcomes.
- Strengthen knowledge base towards contributing knowledge economy.
- Bridge Skill gaps
- Positive outlook and values
- Developing competence, capability, confidence and inculcating values.



## INFRASTRUCTURE

### Campus

- School of Technology
- School of Science
- School of Management Studies & Liberal Arts
- Anviksha
- Fireflex (Centre of excellence for training in Fire & Safety)
- Boys/Girls Hostel
- 36 Lecture/Tutorial Halls
- 43 Laboratories/Workshops
- Studio Facility
- 24/7 Security
- 24/7 Medical Facilities
- Smart Auditorium & Classrooms
- HealthPlex (Gymnasium)
- Sports and recreational facilities
- Open-Air Amphitheater (Aanganva)
- Lush Green Campus
- Bank & ATM Facility, Cafeteria, GSFC's Officer's Club, Golf Course, Swimming Pool
- High Tech classrooms with Digital Podium and Well equipped Laboratories
- Digital Campus System and Digital Library to access re-sources
- Incubation and Innovation (GUITAR) Council for entrepreneurship and promoting student ideas.



### Canteen Facility

- In-house kitchen
- Mess facilities for hostel students

### Hostel

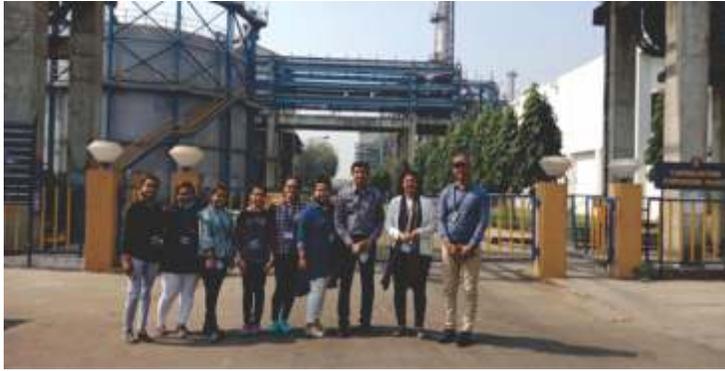
- Hostel Rooms for Boys and Girls
- 500+ student capacity
- 03 Buildings

### Library Resources

- 9500+ Books related to University courses as well soft & Technical skills & General books.
- 50+ Print Journals/Periodicals & Magazines + e-journals.
- 330+ CD/DVD collection
- GSFC University Library has a fully functional KOHA Library Management Software and D-Space Digital institutional repository.
- E-resources include E-books, E-Journals, Video lectures of NPTEL, NDL and South Asia Archive.
- Access of ShodhShuddi: Plagiarism Detection Software (PDS) for research authentication.
- DELNET Membership with DELNET Knowledge Gainer Portal.



## INDUSTRY EXPOSURE



The Industry Internship Program at GSFC University provides students with valuable experiences beyond the classroom, engaging in substantial projects. It bridges the gap between theoretical knowledge and real-world application.

### Internship Program:

- Gain valuable experience beyond classrooms.
- Engage in substantial, real-world industry projects.
- Apply and relate theoretical knowledge to practical scenarios.

### Skill Development Platform:

- Courses emphasize a hands-on practice-based approach.
- Equip students for professional success.
- Practical experience helps to prepare them for future employers and change agents.

### Real-Life Workspace:

- GSFC's plants, subsidiaries and associates provide excellent exposure.
- Engage in projects, case studies and group work.

### Mandatory Internship:

- Intensive program for practical knowledge.
- Learn corporate environment dynamics.





The Foundation Course at GSFC University is designed to educate students about various aspects of on and off-campus life. The aim is to create well-rounded personalities capable of contributing to society, adapting to their surroundings, and becoming critical thinkers and problem solvers in all walks of life.

**Objective:**

- Educate students about on and off-campus life.
- Create well-rounded personalities contributing to society.
- Develop adaptability and critical thinking.

**Initiative:**

- Conducted for newly admitted students.
- Aims to acquaint them with university ethos.

**Duration**

- 2 weeks program

**Focus Areas:**

- Building self-confidence.
- Exploring creative pursuits.
- Developing minds and body.
- Shaping well-rounded global citizens
- Employability skills, ethics and values



**Enabling Interaction**

- Art of Articulation and Public Presentation
- Discipline as a Critical Life Skill
- Heartfulness
- Mumbai Dabbawala
- Personal Branding

**Engagement**

- Zumba
- Photography & Art
- StoryBoard - Ideas as a sequence of Image
- Millet in Modern Times
- Exhibition & Valedictory

**Enhancing Awareness**

- Becoming a Disaster Manager: From Life Skill to Profession
- Water Resources: Challenges & Opportunities
- Gardening
- First Aid
- Traffic & Discipline on Road

**Emotional Connect**

- Social Connect
- Team Building

## MOUs WITH INSTITUTIONS



## MOUs WITH INDUSTRIES



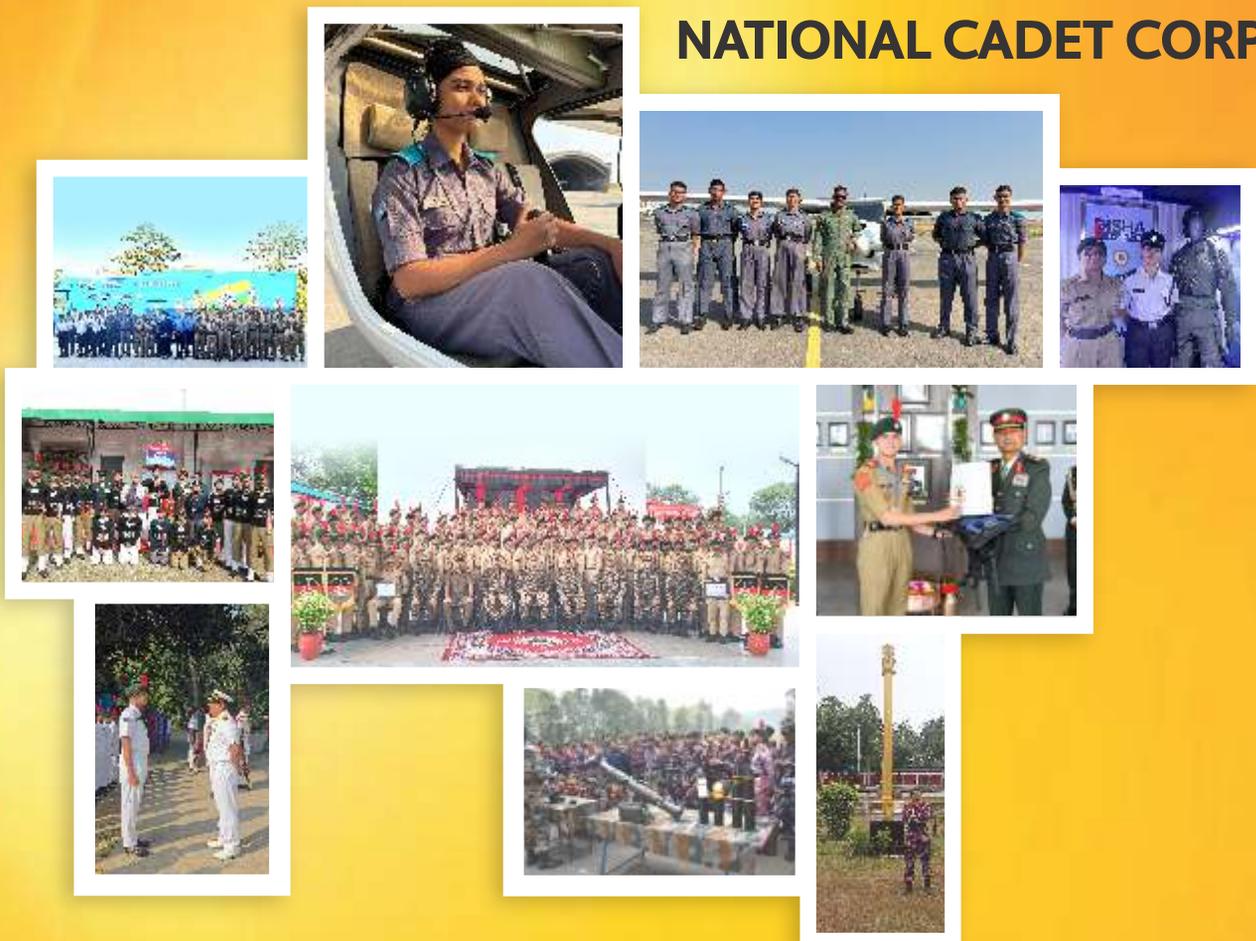
# OUR RECRUITERS




## NCC AT GSFC UNIVERSITY

National Cadet Corps (NCC) is a prestigious youth organization established to inculcate a sense of discipline, leadership, character building, patriotism and national integration. Its activity is guided by certain core values that we endeavor to instill and promote to all ranks of the NCC. GSFC University has a very well build and energetic NCC unit raised under Fully Self Finance Scheme (FSFS) that has allotted a total of 50 Senior Division distributed over the period of 3 years (i.e. 1st Year – 17 seats, 2nd Year – 17 seats, 3rd Year – 16 seats) vacancies for cadets to be enrolled in Guj. 1 Compo Tech Regt. NCC (Army Division) Vadodara as Mixed NCC Unit concept with 33% for girls.

## NATIONAL CADET CORPS





I D E A



For Admission  
Scan QR code



**GSFC**  
**UNIVERSITY**  
EDUCATION RE-ENVISIONED  
An ISO 9001:2015 Certified

Anviksha, Fertilizernagar, Vadodara

For more information,  
Call us at 0265-3093740/+91 75730 02444 or  
log on to [www.gsfcuniversity.ac.in](http://www.gsfcuniversity.ac.in)

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