DEPARTMENT PROSPECTUS 2026–2027

DEPARTMENT OF PHYSICS

At Veer Narmad South Gujarat University, Surat.



1. Profile of the Department

Departmental Brief History

- **Establishment Year:** 1970
- **Programs Offered:** 1) M.Sc. Physics | 2) Ph.D. in Physics

VISION:

provides quality education which makes one ready to face the challenges in the emerging "knowledge era", to build foundation for excellence by igniting and nurturing young minds.

MISSION:

the department provides a full spectra of courses coupled with mentoring and opportunities. The department provides courses that enhance their skills and their appreciation for science, to encourage and guide graduate students and enable them to transform into an organized physicist with knowledge core competence, ethics, ability and right attitude.

OUR CORE VALUES:

We are dedicated to teaching and learning physics in collaborative performance-based community. We encourage observation and analysis of the natural world and we seek the tools and skills for advancing our knowledge of the universe and for providing solutions to challenges we face as individuals, community and society.

Departmental Goals:

1. To achieve academic excellence and overall development of students to meet standard quality.
2. To use the knowledge of Physics for industrial development.
3. To develop entrepreneurship qualities in students.

Career Opportunities:

- Research, Teaching, Space Science, Electronics, Data Science, and Government Services.

2. Message from Dignitaries:

• *Hon'ble Vice Chancellor:*



MESSAGE

"It is a matter of great satisfaction to see the Department of Physics contributing to the University's academic and research endeavors. Physics, as a fundamental discipline, plays a vital role in advancing scientific understanding and technological progress. The University is committed to fostering an academic environment that encourages innovation, interdisciplinary collaboration, and meaningful research. I am confident that the Department of Physics will continue to strengthen its academic contributions and inspire students to pursue knowledge with curiosity, integrity, and dedication.

I extend my best wishes to the faculty members, researchers, and students of the Department for continued progress and success."

~ Dr. Kishorsinh N. Chavda (Hon'ble Vice Chancellor, VNSGU)

- ***Hon'ble Registrar:***



MESSAGE

"The Department of Physics is an important part of the University's commitment to quality higher education and academic development. A strong educational foundation, supported by effective academic administration and institutional cooperation, is essential for creating meaningful learning opportunities for students. The University strives to provide an enabling environment for teaching, laboratory-based learning, research, and other academic activities. I hope the Department will continue to make effective use of these opportunities and uphold the values of academic discipline, professional responsibility, and excellence.

I convey my sincere wishes to the faculty members and students of the Department of Physics for a successful and enriching academic journey."

~ Dr. R. C. Gadhvi (Hon'ble Registrar, VNSGU)

- ***Head of Department:***



MESSAGE

"Welcome to the Department of Physics, where we encourage students to develop a deeper understanding of the physical world through systematic learning, scientific inquiry, and exploration. Our aim is to provide students with a strong foundation in physics while helping them connect theoretical concepts with practical applications. The Department encourages active participation in laboratory experiments, computational studies, seminars, and research-oriented activities. We strive to create an intellectually stimulating environment where students can ask questions, exchange ideas, develop independent thinking, and build the skills required for higher studies, research, and professional careers. We believe that sincere effort, curiosity, and a commitment to lifelong learning are essential for academic growth. I invite all students to take full advantage of the opportunities offered by the Department and contribute enthusiastically to its academic and research culture.

I wish all our students a fulfilling and successful journey in the field of Physics."

~ Dr. I. B. Patel (Head; Department of Physics, VNSGU)

3. Academic Programs & Admission Overview

Admission Procedure:

Admissions will be based on university rules, merit, and through GCAS procedures.

Program Structure:

Programme	Eligibility / Entry	Duration
M.Sc. Physics	Graduation in Science with Physics or its equivalent or Allied subject	2 yrs.
M.Sc. Electronics	Graduation in Science with Electronics or its equivalent or Allied subject	2 yrs.
Ph.D. Physics	M.Sc. Physics + (PET/ GATE/ GSET/ NET)	Min. 3 yrs.

Intake Capacity

Name of Program	Regular Intake	Higher Payment Intake	Total Intake
M.Sc. Physics	36	31	**67**
M.Sc. Electronics	13	8	**21**

Fee Structure for M.Sc. Physics and M. Sc. Electronics

Gender	Regular (Sem I)	Regular (Sem II, III, IV)	Higher Payment (Sem I)	Higher Payment (Sem II, III, IV)
Boys	8,995/-	8,425/-	26,095/-	25,525/-
Girls	6,145/-	5,575/-	23,245/-	22,675/-

4. Faculty Members

The Department features a dedicated, highly qualified team of experienced faculties.

Core Teaching Faculty



Dr. I. B. Patel
Professor & Head
M.Sc. (Solid State Physics), MSU.
DCA, SPU
Ph.D. (Materials Science), VNSGU



Dr. B. P. Modi
Professor
M.Sc., GU
M.Phil (Solid Semiconductor Devices)
Ph.D., SPU.



Dr. J. M. Dhimmar
Associate Professor
M.Sc. (Physics-Electronics), VNSGU
Ph.D. (Solid Semiconductor Devices), VNSGU



Dr. H. P. Vankar
Assistant Professor
M.Sc. (Physics-Electronics), GU
M.Phil., Ph.D. (Dielectric Study), Gujarat Univ.

Temporary Assistant Professors



Dr. Hardipsinh R. Mahida
M.Sc., M.Phil., Ph.D. VNSGU.



Dr. Sefali R. Patel
M.Sc., Ph.D, SPU.



Dr. Pruthvisinh Parmar
M.Sc. (SPU), GSET, GATE
Ph.D., VNSGU



Dr. Hiral P. Joshi
M.Sc., Ph.D. , VNSGU



Dr. Yashasvi A. Naik
M.Sc. (St. Xavier's), GSET
Ph.D., VNSGU.



Ms. Herry Patel
M.Sc., GSET, Ph.D. (Pursuing)
VNSGU.

Non-Teaching & Technical Staff



Mr. Janak R. Mehta
Lab Assistant
B.Sc., Diplo. Engg. (Elec. & Comm.)



Mr. Dhruv Dineshbhai Detroja
Lab Assistant Cum Typist
M.Sc. (Physics), B.Ed.



Ms. Shailee S. Sheth
Lab Assistant
Diploma, B.Tech. (Elec. & Comm.)



Mr. Vikrambhai Prajapati
Lab Assistant Cum Jr. Clerk
B.Sc. Physics.



Mr. Hardikkumar R. Patel
Clerk
B.Com, M.L.I.Sc



Mr. Raj S. Patel
Lab Technician (Physics)
B.Tech. in Electronics



Tejalbhai Patel
Peon
12th Pass



Keval Kadam
Peon
12th Pass



Miteshkumar Patel
Peon
12th Pass



Vraj Nagarsheth
Peon
10th Pass.

5. Infra-Structure & Learning Resources

The Department is equipped with state-of-the-art facilities to facilitate high-quality teaching, practical learning, and advanced research:

• **Classrooms:** 03 Well-ventilated Smart Classrooms with multimedia projection systems.

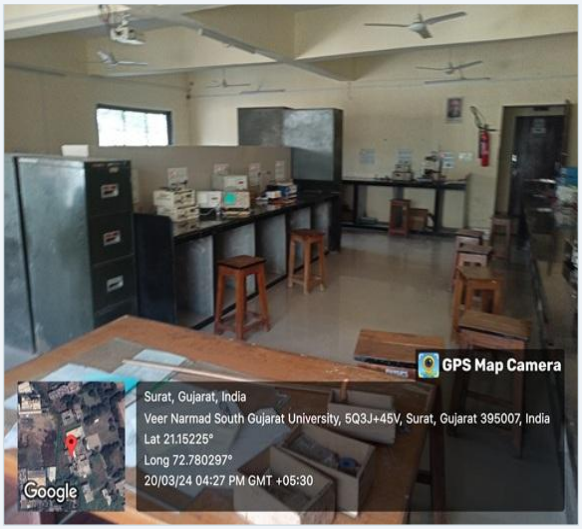
• **Laboratories:** 07 Fully equipped research and practical laboratories

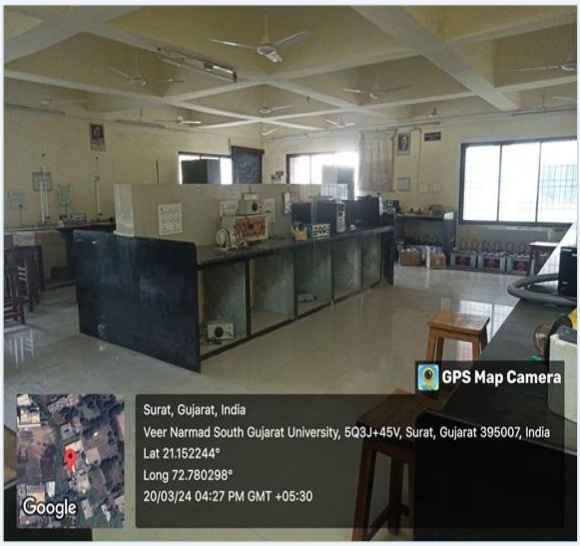
• **Additional Facilities:** Digital Library Access, Wi-Fi Enabled Campus, Central Seminar Hall, Sports room.

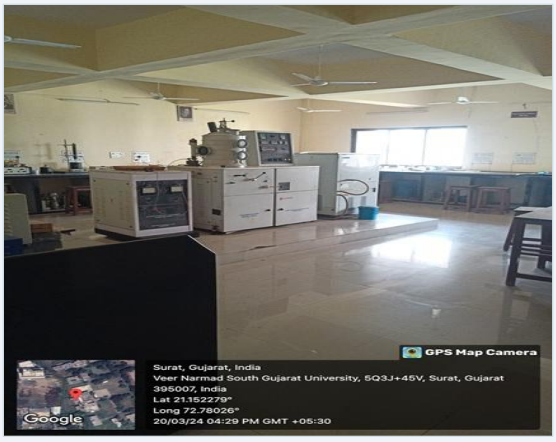
Classrooms & Laboratories:













6. Activities, Competitions & Conferences

Cultural & Celebrations

- Guru Purnima Celebration
- Anti-Ragging Week Celebration
- Krishna Janmashtami Celebration
- Free Medical Health Checkup
- Cyber Safety & Digital Well-Being
- Fresher's Party & Annual Function

Competitions & Sports

- Participation in Youth Festival
- Mehndi Competition
- Quiz Competition
- Cartoon Making on Current Issues
- Drawing Competition
- Annual Sports Day

Conferences & Workshops

- Next-Gen Perovskites: Bridging Materials Science & Energy Innovation
- Emerging Trends in Experimental & Theoretical Physics (ETETP-2025)
- Educational Tours & Field Visits
- Alumni Meet & Guest Lectures

7. Glimpse of Events

Photographs of key events, celebrations, competitions, and academic conferences held at the Department of Physics:



[Farewell Gathering].



[52nd Youth Festival Felicitation]



[Faculty & Student Interactive Meet].



[Free Health Checkup Drive]



[Festive Celebration].



[Space Week Drawing Competition]



[Welcome of International Student]

Uniform cell frame designed to house original high-resolution photos seamlessly without altering margins.



[National Conference Audience & Dignitaries]

Uniform cell frame designed to house original high-resolution photos seamlessly without altering margins.



[Poster & Mehdi Competition Participants]



[Educational Industrial Tour Group Photo].

8. Facilities & Government / Departmental Benefits

1. Scholarship benefit given by the Government to SC/ST/SEBC and OBC students via Digital Gujarat platform.
2. Freeship card facility given by Government to SC/ST students.
3. Single Girl Child scholarship given by Government.
4. Hostel facility available on the University campus (Subject to availability of rooms).
5. Bus / Railway travel concession passes issued directly by the Department.
6. Students are actively encouraged to participate and sponsored for presenting research in national and international conferences.

9. Contact Information

GET IN TOUCH

DEPARTMENT OF PHYSICS
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