



CENTERS OF EXCELLENCE

SOLAR RESEARCH DEVELOPMENT CENTRE (SRDC)

The center undertakes fundamental research in cutting edge Solar Engineering Technology right from materials of construction for solar cells to design & development of efficient solar panels, design and installation of solar plants and so on. Govt. of Gujarat funded ₹ 44 Crores.

SIEMENS CENTER OF EXCELLENCE FOR AUTOMOTIVE

Established to develop skilled manpower in the automotive industry. Equipped with nine labs such as: Product Design and Validation, Advanced Manufacturing, MCMT, CIM, Rapid Prototyping, Process Instrumentation, Automation, Electrical and Mechatronics. 105 Faculty & Industry people & 1566 Students got benefitted till now. Currently 700 manpower has been enrolled under various skill development programs. Govt. of Gujarat funded ₹ 18 Crores.

CENTRE OF EXCELLENCE FOR GEOTHERMAL ENERGY (CEGE)

Established for exploration & exploitation of geothermal energy in the state of Gujarat. CEGE has carried out path-breaking and innovative projects such as 2D and 3D Magnetotellurics and Geothermal Space Heating and Cooling Systems. CEGE imparts training to students through field trips, software and hardware workshops, and also guides various B.Tech, M.Tech. and PhD. projects for students of School of Petroleum Technology. Govt. of Gujarat funded ₹ 19.79 Crores.

CENTRE FOR BIO-FUELS AND BIO-ENERGY STUDIES (CBBS)

CBBS is working to develop environment friendly, energy efficient and industrially viable biodiesel production techniques. Also, process optimization methods for optimal production of biofuels, using new catalysts and new co-solvents for varied range of feed stocks especially nonedible oils is being studied. Govt. of Gujarat funded ₹ 3.74 Crores.

DRILLING AND STIMULATION CENTRE

Set up in collaboration with University of Oklahoma, USA under guidance of Prof. Subhash Shah, Stephenson Chair Professor, University of Oklahoma, USA. Laboratory equipments include – Proppant Conductivity Meter, Formation Damage Setup, and Cementation. Govt. of Gujarat funded ₹ 10 Crores.

CENTRE FOR CONTINUING EDUCATION

Providing inhouse coaching through experts for UPSC and similar competitive employment examinations.

MoUs

INTERNATIONAL

- Mewborne School of Petroleum & Geological Engineering, University of Oklahoma
- Sacred Heart University, USA
- Washington & Jefferson College, USA
- Lamar University, USA
- Southern Illinois University
- Edith Cowan University, Australia
- Memorial University of Newfoundland, Canada
- University of Saskatchewan, Canada
- University of Wollongong, Australia
- University of Alberta, Canada
- University of Manitoba, Canada
- Texas A & M University, USA
- Beijing Institute of Technology, China
- Schulich School of Business, York University, Canada
- University of Tulsa, USA
- University of Houston, USA

NATIONAL

- Institute of Chemical Technology, Mumbai
- Institute for Plasma Research, Bhat, Gandhinagar
- ONGC – Institute of Reservoir Studies
- Castrol India Limited
- CSIR-National Chemical Lab – Pune
- Tata Power, Mumbai
- Blue Flame Consulting - Mumbai

LEADING RECRUITERS



LABORATORIES



STATE OF ART INFRASTRUCTURE

HOSTELS

Separate hostel accommodation for Boys & Girls students.
Decent Hostel rooms available to all.

CAFETERIA

04 Dining Halls
2000 Sitting Capacity

LECTURE HALLS

AUDITORIUMS
GYMNASIUM



PDPUP
PANDIT DEENDAYAL PETROLEUM UNIVERSITY

SPT
SCHOOL OF
PETROLEUM
TECHNOLOGY

SOT
SCHOOL OF
TECHNOLOGY

SLS
SCHOOL OF
LIBERAL
STUDIES

SPM
SCHOOL OF
PETROLEUM
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SOT
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TECHNOLOGY

NAAC
Accreditation
'A' Grade
(CGPA 3.39/4.0)

**ENGINEERING
ADMISSIONS**



ABOUT UNIVERSITY

Established through the State Act enacted on 4th April, 2007.

Spread over 98.15 acre campus & offers multiple courses ranging from Engineering, Science, Arts, Humanities and Management.

It intends to broaden the opportunities for students and professionals to develop core subject knowledge which are duly complemented by leadership training interventions, thereby helping the students to make a mark in the global arena. This objective is being further addressed through a number of specialized and well-planned undergraduate, post-graduate and doctoral programs as well as intensive research projects.

ACADEMIC PROGRAMS

B.Tech.

Branch Name	Intake	ELIGIBILITY CRITERIA
Chemical Engineering	60	The applicants are required to possess a minimum academic qualification of 10+2 or its equivalent with Mathematics, Physics, and Chemistry; has appeared and passed JEE Mains examination conducted by CBSE or any other qualifying examinations specified by the University from time to time; and need to apply separately as announced by the University.
Civil Engineering	120	
Electrical Engineering	120	
Mechanical Engineering	120	
Petroleum Engineering	120	
Computer Engineering	120	
Information & Communication Technology	120	

M.Tech.

Branch Name	Intake	ELIGIBILITY CRITERIA
Petroleum Engineering	18	Min. 60% or CPI/CGPA of 6.5 in 10 point scale in the qualifying degree in respective discipline.
Petroleum Technology	18	
Civil Engineering (Infrastructure Engineering & Management)	18	
Mechanical Engineering (Thermal)	18	
Mechanical Engineering (Design)	18	
Electrical Engineering (Power Systems)	18	
Nuclear Science and Technology	18	
Energy Systems (Focused on Solar Energy)	18	Ph.D. Programs in all disciplines: Admissions based on Research Aptitude Test & Personal Interview
Environmental Engineering	18	
Chemical Engineering	18	

Ph.D.



Discipline wise Special Features:

Petroleum Engineering

Hands on exposure in the real-field industrial activities based on the industry problems.

- Center for Geothermal Energy
- Drilling, Cementing and Stimulation Research Center
- Reservoir Characterization
- Earth Science Lab
- Geomechanics and Strength of Materials Lab
- Drilling Fluids & Cements Lab
- Safety, Health and Environment Lab
- Petroleum Engineering Lab
- Petroleum Product Testing Lab
- Petroleum Product Application Lab

Civil Engineering

- Universal Testing Machine (100 tons capacity)
- Non Destructive Testing Equipments
- Triaxial Setup with GDS Control Facility
- Atomic Absorption Spectrometer (AAS)
- Marshal Stability Test Apparatus
- Open Channel Flume for River Flow Simulation Tests
- Total Station
- Global Positioning System (GPS) and Digital GPS (DGPS)

Nuclear Science & Technology

- Career options in nuclear fission, fusion and nuclear radiation technology.
- Power and Non-Power applications of nuclear energy for provide better career opportunities.
- Collaboration with Texas A&M University, USA, Institute for Plasma Research and other Leading Research and Academic Institutes.
- Visiting faculties from BARC
- Hands-on experience on Radiation Measurement Lab and Nuclear Thermal Hydraulics Lab

Chemical Engineering

- MoUs with NCL, Pune and ICT, Mumbai.
- Focused research in Energy, Environment & allied areas.
- Research facilities like Gas chromatography-mass spectrometry (GC-MS) & High pressure reactors.

Energy Systems (Focused on Solar Energy)

- Only University in Asian continent having own 1MWp Solar PV Power Plant.
- Advanced research laboratories for energy materials and devices.
- Hands on training and exposures in PV design, integration, commissioning and troubleshooting.
- State of the art experimental research facilities for solar energy, fuel-cell and storage materials and devices.
- Advanced computational facilities for project design and new materials predictions

Electrical Engineering

State-of-art laboratories with all modern equipments and software packages like

- Power System Protection and Switchgear Lab
- High Voltage Engineering Lab
- Electrical Machines and Renewable Energy Lab
- AC / DC / Impulse test set (100 kV AC, 140 kV DC, 140 kV, 0.98 kJ Impulse)
- 0 to 100 kV oil test kit
- Experimental Setup of Solar PV and Wind Generator
- Permanent Magnet DC Motor and Brushless DC Motor Drives
- Programmable Logic Controller (PLC)(Dual Conveyor Work Cell)
- Simulation / Software Tools: PSIM Simulation Software/Mi-Power/PSCAD/MATLAB

Mechanical Engineering

- Bio-diesel, Liquid engineering Lab, Siemens centre for automotive and Advanced Welding Research
- Industry collaboration, for project at Undergraduate level.

Computer Engineering

- Study via open source tools & Technology.
- Students' chapters of Association of Computing Machinery & Computer Society of India.
- Computing labs with high & configuration systems.
- Tinkering lab for Internet of Things.

Information & Communication Technology

- Exposure to various ICT fields with balance of hardware and software.
- Hands on training using Microwave, Antenna and Radar Trainers.
- Sensor networks and Integrated Development Tools for Embedded Systems.
- Exposure to Image Processing Techniques and Tools.
- Simulation Softwares like MATLAB, SIMULINK and Toolboxes.
- Hands on training using Analog, Digital and Modern Communication Systems Trainers.

INNOVATION AND INCUBATION CENTRE

- Awarded as best Incubation Centre of the Year for Promoting IP Culture by IPPO 2017
- Recognized Nodal Institute by Industries Commissionerate - Govt. of Gujarat for Supporting Startups
- In-principle approval as "Technology Business Incubator" by Govt. of India
- Recognized under Student Startup & Innovation Policy of Education Dept. - Govt. of Gujarat
- 800+ Applications, 25 Incubation Projects
- Total Employment Generated by Client Companies is @ 150
- Total revenue generated by Incubatee Companies is @ Rs. 4 Crore
- 12 Intellectual Property Right Applications filed by Incubatee Companies



INTERNATIONAL EXPOSURE PROGRAM

Discipline specific structured academic program providing global exposure during summer running successfully since 2010.

Year	No. of Students
2010-11	94
2012-13	47
2013-14	88
2014-15	76
2015-16	98
2016-17	112
2017-18	65
2018-19	65
Total	645

Incubatee Companies won more than **40 Awards** in last two years



1st Student Start Up under Industries Commissioner, GoG to launch across 3 Cities - 2017



Awarded **Best Social Innovation** by IIT-Kharagpur (applied for Patent)



Installed 2 Power Trees and received order for another 2



Won Award as **Best Startup** for the **Smart Cities** from Govt. of Gujarat



Torch-IT awarded as Trend Setter by Gujarat Innovation Society, Govt. of Gujarat



Launch of Free Copy - 1st Student Startup under Industries Commissioner, Govt. of Gujarat

Support and Services to Startups

- Dedicated Mentoring and Coaching Hours for Technical and Business Support
- Development of Proof of Concept under Student Startup & Innovation Policy
- Seed funding up to Rs. 20 Lacs under Startup/Innovation Scheme of Govt. of Gujarat
- Intellectual Property Right Support
- State of the Art Co-working Space
- Laboratory Access
- Help in Getting Initial Customers and Fund Raising
- Support to Students Startups for



SCHOLARSHIPS

For B.Tech. Students
Full Tuition Fee waiver as per norms
Cash Prizes to rank holders
Half Tuition Fee waiver Merit-cum-Means for Diploma to Degree
Half Tuition Fee waiver for Female and SC/ST students
₹ 12,400 / 8,000 p.m. to GATE qualified M. Tech. students as per norms
₹ 10,000 / 25,000 / 30,000 p.m. as per norms for Ph.D. scholars
Earn while Learn

BEST PRACTICES

10% of each course is being taught by Industry professional
10% seats for Girls in UG as per norms
Capsule courses to enhance competency and employability quotient of students
Rural/Urban Internships, Civic & Social Services Internship
Industry Orientation & Industry Training
Financial support for Research project & Paper Presentation
24x7 Tinkering Labs