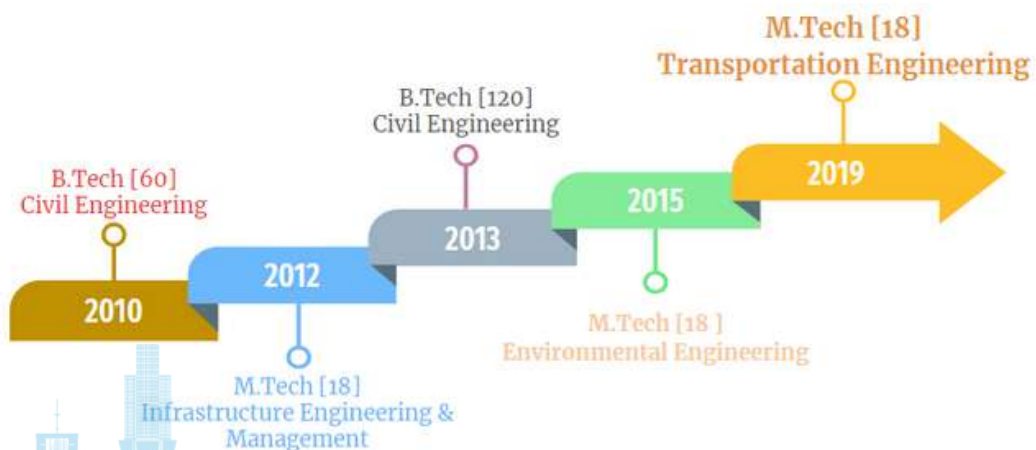




# DEPARTMENT OF CIVIL ENGINEERING

PANDIT DEENDAYAL ENERGY UNIVERSITY, GANDHINAGAR



YOU DREAM IT, WE BUILD IT.

Designed by Ritu Raj

# Civil Engineering Department at a Glance

## Faculty

More than 85% of faculties have done their PhDs from reputed institutions like IISCs, IITs & NITs with an average research experience of more than 12 + years.

## Research Project

Since 2018 our Department has received research projects from various reputed Government agencies & Public Sector Undertakings like ISRO, BRNS, Gujarat Council on Science & Technology, DST - Government of India, etc worth **1.78+ Crore**.

## Consultancy Project

Since 2018 we received Consultancy projects from various reputed Organizations & Public Sector Undertakings like ONGC, IFFCO, Ambuja Intermediates, Abellon, TATA Steel Government of Gujarat, CIC etc worth **1.35+ Crore**.

## Research

Our faculties along with students have published 116 SCI & Scopus Publications and 5 Patents since 2018.

## Collaborations

We have Collaborations with Various International & National Institutions / Organizations like Texas A&M University USA, IHCantabria Spain, CBRI Roorkee, IIT Roorkee, SVNIT Surat, Reliance, ISRO, BRNS, NERI, CSIR, ISR, GEMI, GERMI etc.



## OIR Grants

Office of International Relation, Pandit Deendayal Energy University Gandhinagar provide travel grant scholarship to meritorious students for National & International paper presentation in the USA, Canada, Italy, Netherland, Belgium, Austria etc. worth **20+ Lakhs**.

## ORSP

Office of Research & Sponsored Project Pandit Deendayal Energy University Gandhinagar has funded 44 SRP Projects worth 61 Lakhs to the students of our Department, Since 2016-17.

## Comprehensive Project

More than 250+ Students have done their Industrial Training / Compressive Projects in Various Organizations like IITs, L&T, AFCONS, HN SAFAL, NHAI, GOG, GOB etc.

# Department Faculty

## Water Resources Engineering, GIS & Surveying

### Dr. Dhruvesh Patel

Associate Professor & Head  
Dhruvesh.Patel@sot.pdpu.ac.in  
*PhD - GTU, Gujarat*



### Dr. Ankit Deshmukh

Assistant Professor  
Ankit.Deshmukh@sot.pdpu.ac.in  
*PhD - IIT Hyderabad*



### Dr. Naimish Bhatt

Assistant Professor  
Naimish.Bhatt@sot.pdpu.ac.in  
*PhD - PDEU, Gandhinagar*



## Geotechnical Engineering

### Dr. Tejaskumar Thaker

Associate Professor  
Tejas.Thaker@sot.pdpu.ac.in  
*PhD - IIT Delhi*



### Dr. Manas Bhoi

Assistant Professor  
Manas.Bhoi@sot.pdpu.ac.in  
*PhD - IISC Bangalore*



### Dr. Uma Chaduvula

Assistant Professor  
Uma.Chaduvula@sot.pdpu.ac.in  
*PhD - IIT Bombay*



### Dr. Pranav Peddinti

Assistant Professor  
Pranav.Peddinti@sot.pdpu.ac.in  
*PhD - IIT Hyderabad*



## Environmental Engineering

### Dr. Anurag Ashok Kandya

Associate Professor  
Anurag.Kandya@sot.pdpu.ac.in  
*PhD - IIT Delhi*



### Dr. Dayashankar Kaul

Assistant Professor  
Dayashankar.Kaul@sot.pdpu.ac.in  
*PhD - IIT Kanpur*



### Dr. Shabiimam MA

Assistant Professor  
Shabiimam.MA@sot.pdpu.ac.in  
*PhD - IIT Bombay*





# Department Faculty

## Transportation Engineering



### Dr. Rajesh Gujar

Assistant Professor  
Rajesh.Gujar@sot.pdpu.ac.in  
*PhD - NIT Surat*

### Dr. Maheshbabu Jallu

Assistant Professor  
Mahesh.Jallu@spt.pdpu.ac.in  
*PhD - IIT Hyderabad*



### Dr. Ayyanna Habal

Assistant Professor  
Ayyanna.Habal@sot.pdpu.ac.in  
*PhD - IIT Bombay*

### Mr. Manivel M

Assistant Professor  
Manivel.M@sot.pdpu.ac.in  
*PhD - NIT Tiruchirappalli (Pursuing)*



## Construction Management



### Dr. Debasis Sarkar

Associate Professor  
Debasis.Sarkar@sot.pdpu.ac.in  
*PhD - DDU, Nadiad*

### Mr. Shobhit Chaturvedi

Assistant Professor  
Shobhit.Chaturvedi@sot.pdpu.ac.in  
*PhD - IIT Roorkee (Pursuing)*



## Structural Engineering



### Dr. H R Dhananjaya

Associate Professor  
Hr.Dhananjaya@sot.pdpu.ac.in  
*PhD - IISc Bangalore*

### Dr. Niragi Kalpesh Dave

Assistant Professor  
Niragi.Dave@sot.pdpu.ac.in  
*PhD - ITM, Delhi*



### Dr. Vasudeo Chaudhari

Assistant Professor  
Vasudeo.Chaudhari@sot.pdpu.ac.in  
*PhD - IIT Hyderabad*

### Mr. Ronak Motiani

Assistant Professor  
Ronak.Motiani@sot.pdpu.ac.in  
*PhD - NIT Surat (Pursuing)*



# Funded Research Project

Some of the major Projects are:



Urban Air Quality Assessment using Remote Sensing & GIS [53 lakhs]



Interfacing Groundwater uptake rate on salinity ingress and subsequent agricultural productivity [16 lakhs]



Moving towards Organic Manure using Gamma irradiated sewage sludge [35 lakhs]



Integrated electro-oxidation, electro-reduction and electro-coagulation process for the degradation of ammonical nitrogen in the presence and absence of carbon based pollutants [35 lakhs]

**Worth  
1.78 Cr +**



## Consultancy Projects

Some of the Organizations are:



- Consultancy Projects worth Rs 1.35 Cr are currently being operated at the Department.

Work orders worth

1.35 Cr +



- Students are involved for executing the consultancy projects

## Collaborations with International/ National Institutes



## International Exposure Program (IEP)

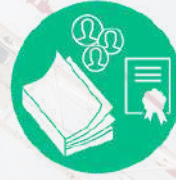




# Patents & Publications



**5 Patents**



**116 SCI & Scopus Publications**

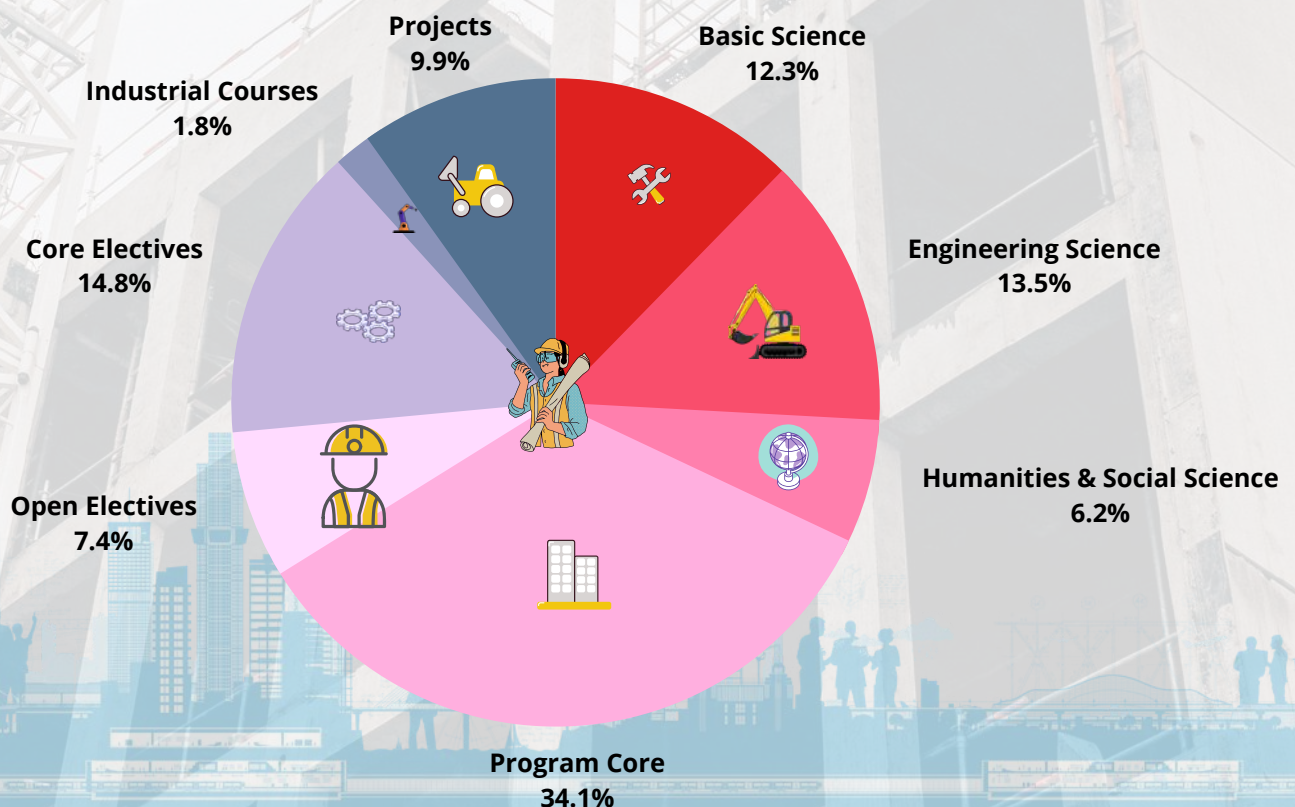
Since 2018, The Faculties of our department has published 116 SCI & Scopus Publications with 49 Publications in 2021 and 5 Patents.

## Curriculum

The curriculum is designed to prepare highly competent graduates with a strong foundation in engineering and technology for successful career in industries, academics and research organizations. The curriculum aims at a comprehensive development of future Civil engineers who develop sustainable solutions for global, environmental and social issues. Studying in B.Tech-Civil Engineering at School of Technology, Pandit Deendayal Energy University, Gandhinagar places the students at the center of a vibrant and fast-moving discipline of relevance to conventional and modern industries.

Our Curriculum is aligned to :

- New Education Policy (NEP) 2020
- Choice Based Credit System (CBCS)
- Outcomes Based Education (OBE)
- Industry 4.0 & Construction 4.0 was implemented
- Sustainable Development Goals (SDGs)





# Teaching & Learning Resources

For conducting project works, space to fabricate new research, facilities are available in the respective laboratories. Students are accommodated in each laboratory as per their research interests and are encouraged to conduct state-of-the-art research.

## STATE OF THE ART LABORATORIES

- The equipment is worth more than 3.25 Cores.
- Excellent Computing Facilities with the latest hardware and software for Modelling and Design.
- Provision of Tinkering Labs 24 x 7.
- Recognitions from agencies like GPCB, and NABET.
- L&T funded around Rs 2 Cr for setting up the Civil Engineering Labs (Surveying, Environmental Engg, Geotechnical & Structural Engineering).
- Environmental Engineering Lab
- Transportation Engineering Lab.
- Concrete Technology Lab.
- Geotechnical Engineering Lab.
- Fluid Mechanics and Hydraulics Lab.
- Surveying Lab.
- CAD Lab.
- Engineering Geology Laboratory
- Material Testing Lab



Figure: Student working on an experiment at EE lab



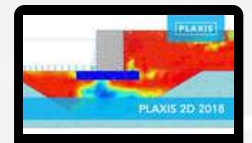
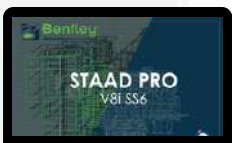
Figure: Students performing experiment as a part of Surveying lab course



Figure: Students performing experiments at field

## Softwares

Here are some of the software Licenses that we have in our departments worth 2.0 Cr + :



# High-End Instruments



Air Quality Sampler



Total Station



Bump Integrator



Atomic Absorption Spectrophotometer



Triaxial Shear Test Machine

## Total Investment in Lab

- The laboratory equipment is worth Rs 3.25 Crores+.
- Licenses of more than 25 different software are purchased by investing Rs 2 crores +
- L & T funded around Rs 2 Cr for setting up the Civil Engineering Labs (Surveying, Environmental Engineering, Geotechnical Engineering & Structural Engineering).

## Placement

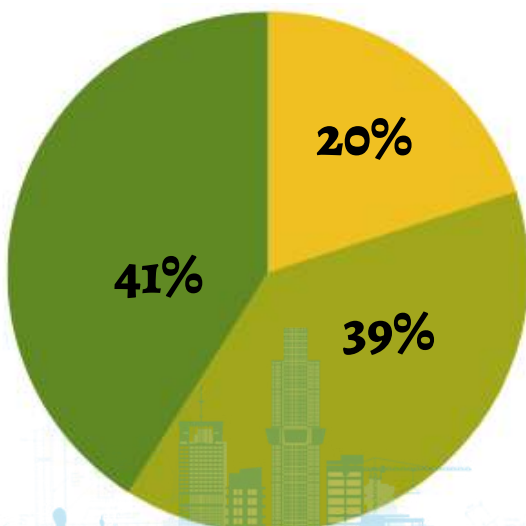
Here is the list of some of the major recruiters:



L&T Technology Services



LARSEN & TOUBRO



20% : No. Student gets Placed in Government or Private Organizations

39% : No. Students admitted for higher studies through (GRE/CAT/GATE/GMAT)

41% : of Students turned entrepreneurs in Engineering & Technology



# Higher Studies

Here is the list of some Internationally Renowned Universities where our students is pursuing their higher studies.



## Student Achievements



Environmental Engg Group of PDPU won the Summer Innovation Challenge – 2018 organized by Government of Gujarat and We were felicitated by Hon Chief Minister of Gujarat.



A Student got Research Fellowship from Indian Institute of Technology, (IIT) Palakkad of 3 Months with Stipend of Rs. 9,500.



Popular Choice Award in the Techno-managerial event organized by Hi-Tech solutions in association with IIM-Ahmedabad at IIM-A on 25th January 2017



The Youth Club 'Envirocrats' of PDPU won the Green Campus Challenge Contest held at Ahmedabad.

# Placed Students Details



**Savan Patel**

CTC -7.50lakh

Company: Reliance Industries



**Bibek Timalisina**

CTC -7.50lakh

Company: Reliance Industries



**Manan Baria**

CTC -6.50lakh

Company: Adani Group



**Vaghela Himanshu**

CTC -6.50lakh

Company: Adani Group



**Jay Trivedi**

CTC -6.50lakh

Company: Adani Group



**Karan Bhavsarr**

CTC -6.50lakh

Company: Adani Group



**Ritu raj**

CTC -5.0lakh

Company: V Construct



**Jay Bhagat**

CTC -5.0lakh

Company: V Construct



**Janvi Chaudhari**

CTC -4.5 lakh

Company: Pie Infocomm



# Details Of Students Studying Abroad



**Parth Patel**

University -Texas A&M  
University

*Country: USA*



**Parshva Patel**

University -IOWA STATE  
UNIVERSITY

*Country: USA*



**Harshit Chauhan**

University -University of  
Ottawa

*Country: Canada*



**Harshal Dhabalia**

University -University of  
Calgary

*Country: Canada*



**Manak Shah**

University -Delft  
University of Technology

*Country: The Netherlands*



**Satvik Singh**

University -Delft  
University of Technology

*Country: The Netherlands*



**Arjun Mirani**

University -City University  
of London

*Country: United Kingdom*



**Darshil Kotadiya**

University -Queensland  
university of technology

*Country: Australia*



**Vishnu Tejani**

University -University of  
Southern California

*Country: USA*



**PDEU** PANDIT  
DEENDAYAL  
ENERGY  
UNIVERSITY  
Formerly Pandit Deendayal Petroleum University (PDPU)

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