

Dr. BHARAT J. SHAH



Designation: Principal
Qualification: Ph.D. [Civil Engineering]
Experience: 30 Years
Date of Joining: 07-06-2024
Area of Interest: Structural Engineering
Email: principal@gecpatan.ac.in

Educational Qualifications

<i>Qualification</i>	<i>University / Board</i>	<i>Year of Passing</i>	<i>Perc.(%)</i>
Ph.D. (Civil - Structural Engg.)	Veer Narmad South Gujarat University	2006	Awarded
M.E. (Civil - CASAD)	Gujarat University	1999	First class with distinction
B.E. (Civil)	Sardar Patel University	1988	First class with distinction

Publications

<i>Sr. No.</i>	<i>Category</i>	<i>No. of Publications</i>
1	International Journal	1
2	International Conference	2
3	National Journal	1
4	National Conference	1

Experience

<i>Sr. No.</i>	<i>Designation</i>	<i>Date of Joining</i>	<i>Date of Leave</i>	<i>Department</i>	<i>Duration</i>	<i>Place</i>
1	Principal	07/06/2024	Till date	---	---	Govt. Engg. College, Patan
2	Principal	01/07/2019	06/06/2024	---	4 years 11 month	Govt. Engg. College, Modasa
3	Professor	28/05/2015	30/06/2019	Applied Mechanics Deptt.	4 years 1 month	Govt. Engg. College, Modasa
4	Professor	22/03/2013	27/05/2015	Applied Mechanics Deptt.	2 years 2 months	L. D. College of Engg., Ahmedabad
5	Associate Professor	01/06/2007	21/03/2013	Applied Mechanics Deptt.	5 years 9 months	L. D. College of Engg., Ahmedabad
6	Associate Professor	01/01/2006	31/05/2007	Applied Mechanics Deptt.	1 year 5 months	L. E. College, Morbi
7	Assistant Professor (Class-I)	15/12/2003	31/12/2006	Applied Mechanics Deptt.	3 years	L. E. College, Morbi
8	Lecturer	04/06/2002	14/12/2003	Applied Mechanics Deptt.	1 year 6 months	L. E. College, Morbi
9	Lecturer	18/08/1990	28/02/2002	Applied Mechanics Deptt.	11 years 4 months	L. D. College of Engg., Ahmedabad

Achievements:

- Nominated as Research Supervisor of Ph.D. Program at Gujarat Technological University.
- Recipient of Principal S. B. Junarkar Gold Medal for achieving the highest marks in Design of Structures II & III (B.E. Civil, 1988) from Sardar Patel University, V. V. Nagar, Gujarat.

Selected Publications

- **Seismic fragility analysis of pile supported wharf using linear time history analysis**
Journal of Structural Engineering, Vol. 43, No.3, pp 235-246 (National Journal)
 - **Experimental investigation on shear capacity of RC beams with GFRP rebars & stirrups**
Steel and Composite Structures, Vol.21, No.6, pp 1265-1285 (International Journal)
 - **Study of deflection and crack patterns of RC beam strengthen in flexure with GFRP**
9th Biennial conference on Structural Engineering Convention-2014 (SEC-2014), IIT-Delhi (International Conference)
 - **Seismic fragility analysis of pile supported wharf- state of art**
9th Biennial conference on Structural Engineering Convention-2014 (SEC-2014), IIT-Delhi (International Conference)
 - **Progressive collapse assessment of Reinforced concrete frame structure with & without considering actual soil condition**
International conference on Research and Innovation in Science, Engineering & Technology (ICRISET 2017), BVM
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Book Publication

Title: *Mechanics of Solid*

Book Code: RAZDRRBUDRRYC

University: Gujarat Technological University

Branch: Civil Engineering

Semester: 1, 2 & 3

ISBN Code: ISBN-13: 978-93-392-1414-2, ISBN-10: 93-392-1414-5

Publisher: McGraw Hill Education (India) Pvt. Ltd.

Content:

1. Introduction
 2. Fundamental of statics
 3. Analysis of Trusses
 4. CG & MI
 5. Frictions
 6. Simple stresses & strains
 7. Statically determinate beams
 8. Stresses in homogeneous beams
 9. Principal stresses
 10. Torsion
 11. Simple lifting machines
 12. Physical & Mechanical properties of materials
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Expert Talks

<i>Year</i>	<i>Subject</i>	<i>Place</i>	<i>Details</i>
2018	State-of-the-Art in Bridge Engineering	Online VC training	ETSGE 2018, Directorate of Technical Education, Gujarat (02/08/2018)
2019	Earthquake resistant design of bridges	Marwadi University, Rajkot	GUJCOST workshop on Advances in Earthquake Engineering (22/03/2019)
2019	Advances in Concrete Construction	State Water Data Centre, Gandhinagar	SWDC Training Program, Govt. of Gujarat (06/07/2019)
2020	Design of RCC T-Girder type Bridge super structure	Online webinar	L. D. College of Engineering, Ahmedabad (30/04/2020)
2020	Fundamentals on Genetic Algorithm and Applications in Structural Engineering	Online webinar	Govt. Engg. College, Surat (28/05/2020)
2020	Advances in Concrete Technology	Online training	AICTE ATAL Online Training by GEC Dahod (21-25/09/2020)

Memberships:

- Life member, Association of Consulting Civil Engineers, India.
- Member, Alumni Association of L. D. College of Engineering (LAA), Ahmedabad, India.
- Fellow life member, Gujarat Institute of Civil Engineers & Architect (GICEA), India.
- Member, Indian Society of Earth Science, Indian Seismological Research Institute, Gujarat State, India.
- Member, Indian Geotechnical Society (Gujarat Chapter), India.
- Fellow life member, Indian Society of Technical Education (ISTE), India.
- Member, Institution of Engineers India.