

Name of Faculty	Payal B. Patel
Designation	Assistant Professor
Email id	payalpatel.cv@bitseducampus.ac.in
Contact number	0265-2303991 Ext: 958
Total Experience Teaching	Teaching- 11 Years 8 Months
Industry	Industry- 0 Years 0 Months
Professional Summary	Working as an assistant professor at Babaria Institute of Technology since 2012. I also worked as a temporary lecturer at M.S. University for 4 years (from 2008 to 2012)
Current Activities	NBA (Co-ordinator, Civil Engineering Department), NAAC (Co-ordinator, Civil Engineering Department) Time table (Co-ordinator, Civil Engineering Department)
Specialization Areas	M.E. (Structural Engineering)
Subject Taught (UG/PG)	Applied Mechanics, Strength of Materials, Mechanics of Solids, Elements of Civil Engineering, Structural Analysis-1, Structural Analysis-2, Structural Analysis-3, Structural Design-1, Structural Design-2, Design of Reinforced Concrete Structures, Design of Steel Structures
Qualifications	M.E. (Structural Engineering) from M.S. University in 2008
Skills	Expertise in problem solving, data analysis and Structural analysis-Design methods. I also have ability to work well within range of people as I take every task as an opportunity and work accordingly. I also have willingness to learn latest technology and innovation in Civil Structural Engineering
Achievements	Nil
Research Project	Had done dissertation on “Optimization of Steel-Concrete Composite Structures using Genetic Algorithm” in Masters of Engineering.
Publications	1. Published paper on “Shear and Impact Behaviour of Reactive Powder Concrete with Varying Fibre Content” in 3 days International Conference on Research & Innovations in Science, Engineering and Technology, ICRISSET-2017 in Feb-2017 2. “Optimum design of steel-concrete composite beams using Genetic Algorithm”, Journal of Engineering and technology, Sardar Patel University, V.V. nagar Vol.21, Dec-2008

3. “Optimum design of steel-concrete composite columns using Genetic Algorithm”, NUCONE-2008, 3rd National conference on current trends in technology –Nov-2008, Nirma University-Ahmedabad.
4. “Cost effective proportioning of steel-concrete composite beam using genetic algorithm”, CSI region-III student’s Convention on soft computing Feb-2008, Charotar Institute of technology- Changa.

Activities and honours

- Participated in seminar on “Energy Management and Audit” at Birla Vishvakarama Maha Vidyalaya, V.V. Nagar
- Participated in Two Day National Seminar on 'Smart Cities: Current Scenario & Future Challenges', Babaria Institute of Technology, BITS Edu Campus, Varnama, Vadodara in Mar-2017
- Participated in 3 days International Conference on Research & Innovations in Science, Engineering and Technology, ICRASET-2017 in Feb-2017 “Shear and Impact Behaviour of Reactive Powder Concrete with Varying Fibre Content”
- Undergone one week summer training at AVN Engineers, Vadodara in summer 2016
- Participated in brain storming seminar on “Earthquake resistant Designing- Practices and Challenges” on 10th Oct-2015 at Vasvik Auditorium, Institute of Engineers, Vadodara
- Participated in seminar on Recent trend in pile and pile raft foundation, Indian Geotechnical Society, Baroda chapter with Deep foundation institute of india in allocation with Applied Mechanics Department ,M.S.university ,Baroda in Dec-2015
- Participated in one day workshop on “basics of RCC Design and Concept” at Ambuja Knowledge Centre, Baroda on 28th April,2015
- Participated in one day workshop on “Developing student friendly approach among the teachers with ICT” in July, 2013 organized by S & H Department at BITS Edu Campus, Vadodara
- Participated in one day workshop on “Patent search methodology” organized by GTU on 20th October, 2012 at Babaria Institute of Technology, Vadodara
- Participated in 2 days workshop on Faculty development program on 3rd and 4th August 2012 on structural software solutions at Applied Mechanics Dept., Faculty of Technology, M. S. University in collaboration with Be-Careers Network (BeCN) Academic division of Bentley Systems India Pvt. Ltd. New Delhi & Mahavir Traders, Bentley Channel Partner Gujarat.

- Participated in one-day workshop on Advanced Structural Health Monitoring “Check the Pulse of the Structure” on 7th July 2012 at ITM Universe, Vadodara.
- “The Ambuja Advance Concrete Mix Design Workshop” held by Ambuja Cement Workshop on 20th & 21st April 2011 in Baroda.
- “Cracks in Concrete & Repairs” organized by Dr. Fixit Institute, held at Institute of Technology, Nirma University on 9th April 2011.
- AICTE sponsored Staff Development Programme on “Recent Advances in Concrete Technology (RACT)” organized by Applied Mechanics Department, Sardar Vallabhbhai National Institute of Technology, Surat during 25th to 29th January 2010.
- AICTE sponsored Short Term Training Programme on “Advanced Design of Steel Structure using (Revised) IS: 800-2007” organized by Applied Mechanics Department, Sardar Vallabhbhai National Institute of Technology, Surat during 3rd to 7th August 2009.
- National Training Course on “Chemical Sealing Water Proofing Compounds and Grouting / Deep Injection” conducted by Indian Geotechnical Society, Baroda Chapter in association with Applied Mechanics Department, M.S.University, Baroda on 27th June, 2009.
- Undergone summer training for one month in Shiv Construction consortium, Baroda
- Participated in Constructa, Last Straw at Techfest 2005, IIT Bombay.

Membership:

- Associate Member of The Institute of Engineers-India (Membership No. AM166822-9)
- Lifetime member of Indian Society of Technical Education (Membership No. LM 103874)
- Lifetime member of Indian Society of Structural Engineers (Membership No. M 1482)

Grant Received

Nil