



**Vishnu Priya Choudhary**  
**Civil Engineering**  
**Indian Institute of Technology Bombay**  
**Specialization: Structural Engineering**

**153040046**  
**M.Tech.**  
**Female**  
**DOB: 29/06/1992**

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2017	8.71
Undergraduate Specialization: Civil Engineering				
Graduation	MNIT Jaipur	MNIT Jaipur	2014	8.47
Intermediate/+2	CBSE	St. Mary's Convent School, Ajmer	2009	92.60
Matriculation	CBSE	St. Mary's Convent School, Ajmer	2007	89.80

### Scholastic Achievements

- Secured **99.28 percentile** in AIEEE-2010 among 1.058152 million applicants.
- Secured **99.64 percentile** in Civil Engineering specialization, GATE-2015 among 101429 applicants.
- Secured A1 grade (>90%) in Mathematics, Physics and Chemistry in Higher Secondary.

### Projects and Seminars

- **M.Tech. Thesis** *[May' 16-Present]*  
**Tuned Tandem Mass Damper**  
*Guided by: Dr. R.S.Jangid, IIT Bombay*
  - Objective is to obtain the optimum design parameters for a system with a Tuned Mass Damper (TMD), Two TMDs and a Tuned Tandem Mass Damper (TTMD).
  - Analysis of Tuned Mass Damper (TMD), Two TMDs and a Tuned Tandem Mass Damper (TTMD) in vibration control of structures.
- **M.Tech. Seminar** *[July' 15-Nov' 15]*  
**Smart Materials and Piezoelectric Materials and their applications in Civil Engineering**  
*Guided by: Dr. K.M.Bajoria, IIT Bombay*
  - Explored Shape Memory Alloys and their application in bridges, framed structures, isolation and energy dissipation devices.
  - Fundamentals of Piezo electric technology and application of piezoelectric sensors and actuators in structure health monitoring.Awarded with an AA grade (10 points) for the exemplary work done.
- **Course Projects**
  - **Concrete Technology** *[July'15-Nov'15]*  
*Guided by: Dr. Prakash Nanthagopalan, IIT Bombay*  
**Steel Fiber Reinforced Concrete (SFRC)**
    - Reviewed fundamental principles of SFRC, manufacturing technology, mix proportioning, mixing methods, physical properties and durability.
  - **Bridge Engineering** *[Jan'16-May'16]*  
*Guided by: Dr. Jayadipta Ghosh, IIT Bombay*  
**Seismic retrofit techniques for highway bridges in earthquake prone zones**
    - Retrofitting measures for bearings, seats, columns, piers, cap beams, column-to-cap joints, abutments, and foundations were studied.
- **B.Tech Project** *[Jul' 13-May' 14]*  
**Analysis of various parameters used in performance evaluation of Green Buildings** *Guided by: Dr. Sudhir Kumar, MNIT Jaipur*

- Reviewed various parameters which mainly concerned with site selection and planning, energy and water consumption, material used in construction, indoor air quality and innovations in the building.

### Industrial Training

- **1 month training in PHED Bisalpur Project Division-II** under region Ajmer *[May 2012]*
  - Learned concepts for design of water supply project including Service Reservoirs, commission, storage, pumping and distribution .

### Positions of Responsibility

- **Teaching Assistant** *[Jul '15 - Present]*  
*Civil Engineering Department, IIT Bombay*
  - **CE 231-Solid Mechanics Laboratory**  
Instructed and mentored 2<sup>nd</sup> year undergraduates and evaluated the lab journals and exam of the experiment 'Finding Shear Centre'
  - **CE 338-Material Testing and Estimation Laboratory**  
Instructed and mentored 3<sup>rd</sup> year undergraduates and prepared and evaluated the lab exam and journals of the experiment 'Estimating the earthwork in construction of a canal'.
  - **CE 221-Solid Mechanics**  
Assisted professor in explaining tutorials to 2<sup>nd</sup> year undergraduates and in conducting quizzes and exams of the subject.
- **Organizer in the Annual Athletic Meet in MNIT Jaipur** *[Jan' 13]*
  - Successfully managed and coordinated various events and activities.

### Software Skills

- MATLAB, ETABS, CSIBRIDGE, ANSYS , STAAD Pro , Visual Basics

### Extra-Curricular Activities

- Participated in Athletics Udhghosh'12, the annual sports festival of IIT Kanpur *[Oct'12]* • Participated in Golden Jubilee Mini – Marathon in MNIT Jaipur *[Aug'12]*
- Secured 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> position in 800 m, 1500 m and 4x400 m relay respectively in Athletic Meet, MNIT Jaipur *[Jan'13]*
- Secured 3<sup>rd</sup> position in 800m and 1500m both in Athletic Meet, MNIT Jaipur *[Jan' 14]*
- Was member of winning team of Hongkong Sixes'14 in MNIT Cricket Tounament *[Mar'14]*