

**DEEPAK K. SHARMA**  
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**Education**      **PhD in Civil Engineering (Project Management), May 2011**  
University of Maryland, College Park, Maryland

**Master of Science in Civil Engineering, August 2008**  
The University of Alabama, Tuscaloosa, Alabama

**Bachelor of Engineering in Civil Engineering, May 1999**  
Gujarat University, Ahmedabad, India

**Awards & Honors**

- Recipient of Bechtel Scholarship for the 2010-2011 academic year
- International Teaching Assistant Fellowship for the 2009 - 2010 academic year at University of Maryland
- Recognized as a Distinguished Teaching Assistant for the 2008-2009 academic year at University of Maryland
- Member of honor society of Civil Engineering - Chi Epsilon (2008)
- Secured first place at Gujarat University in the geotech elective group and awarded gold medal.

**Work Experience**

**Graduate Research Assistant, August 2008 – Present**  
University of Maryland, College Park, MD, Department of Civil & Environmental Engineering

- Successfully lead the students' research team in developing and delivering guidelines for PPP feasibility assessment titled "PPP Feasibility Study Guidelines" for ALDOT and an MS Excel based toolkit named Public Private Partnership Feasibility Assessment Toolkit (P3FAST).
- Contributed significantly in preparing the report "Evaluation of Public Private Partnerships", now available online.
- Contributed as a team member in delivering the interim report on "Innovative Contracting Strategies for Combating Climate Change"
- Volunteered as a teaching assistant for Engineering Economics (ENCE422).

**Internship with Robins and Morton, Birmingham (AL), May 2008 – August 2008**  
Worked as an intern at construction and renovation project of a hospital in Lawton, Oklahoma.

- Supervised replacement of glass windows.
- Coordinated and scheduled time slots with the doctors, hospital staff, and sub-contractor.

**Graduate Teaching Assistant, January 2007 – May 2008**  
The University of Alabama, Tuscaloosa, AL, Department of Civil, Construction & Environmental Engineering

- Tutored students in Introduction to Civil, Construction and Environment Engineering (CE-101) and Civil and Construction Engineering Materials (CE-262)
- Graded assignments and handled attendance and grade records for 120 students in spring 2007 semester, 80 students in fall 2007 semester and 70 students in spring 2008 semester for CE 101.
- Assisted as a secondary assistant to the instructors of CE 262 in grading of quizzes and homework along with helping conduct lab sessions.

**Assistant to Vice President for Construction, May 2007 – August 2007**  
UA Facilities Planning Department of The University of Alabama

- Prepared and submitted reports on building commissioning, justification for 3rd party supervision and procedure for selecting construction material testing agency. These reports were backed by The University of Alabama experience, the Code of Alabama, Alabama Legislation and other literature available from the internet. These reports were to be submitted to the higher

management.

- Assisted in preparing RFP and RFQ for elevators maintenance and new elevator installation at The University of Alabama campus.
- Successfully contributed to the resolution of an owner-contractor dispute by calculating and presenting the process of estimating concrete in a complex staircase foundation. The dispute ended and contractor's claim was rejected, reducing the billed amount by \$800.00.

**Full-time Faculty Member, October 1999 – December 2006**

Nirma University, Ahmedabad, Gujarat, India

- Lectured in the Civil Engineering Department.
- Taught Quantity Estimation, Highway Engineering, Building Planning, Soil Mechanics, Foundation Engineering & Civil Engineering Graphics.
- Managed geotech lab and transportation lab during different spans of time.
- Revised lab manuals for Geotech Lab and Transportation Engineering Lab.
- Executed administrative duties at various capacities for national level events and in-house events such as Robocon 2003 and 2004, Indian Science Congress 2005 and cultural festivals.

**Research Interests**

- Project Management
- Operation Research
- Sustainability – Combating Climate Change and Use of Clean Energy Alternatives
- Automation in Project Monitoring and Control

**Research Proposals**

- “Considering and Evaluating Airport Privatization” ACRP Project 01-14.
- “Price Indexing in Transportation Construction Contracts” NCHRP 20-07/Task 274 [RFP]

**Professional Memberships**

- Student Member of American Society for Civil Engineers (ASCE)
- Student Member Project Management Institute (PMI)
- Life member of Indian Geotechnical Society (IGS)

**Computer Skills**

Microsoft Word, Excel, PowerPoint, JMP, SPSS, Crystal Ball, Timberline, @Risk, Primavera, MS Project, VBA, Lindo, GAMS and MATLAB. Conversant with AutoCAD and C programming

**Graduate Coursework**

Introduction to Project Management; Management of Project Teams, Project Performance Measurement, Management Science Applications in Project Management, Project Procurement Management, Risk Analysis for Engineering, Legal Aspects of Engineering Design and Construction, Probabilistic Optimization in Project Management, Sustainable Transportation, Statistical Applications in Civil Engineering, Front End Planning, Construction Administration and Finance, Construction Cost Estimating, Horizontal Construction Methods, Construction Management, Operations Research, Web-based Project Management and Market, Spatial, & Traffic Equilibrium Models in Project Management.