



# AMIT KUMAR DAS

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## Profile & Objective:

I have completed my master's in Structural Engineering from Indian Institute of Technology Guwahati, India, after completing a bachelor's degree in Civil Engineering from Burdwan University. During my undergraduate days as I was being introduced to a wide array of civil engineering subjects, one particular field of study, Structural Engineering, evoked my interest to a great extent.

## Areas of Interest:

- Structural Dynamics
- Seismic Retrofitting of structure
- Finite Element Method
- Earthquake Engineering
- Vibration Control

## Education & Qualification:

- Indian Certificate of Secondary Education, 10<sup>Th</sup> standard, 2007  
*Padmeswari High School Alipurduar, India*
  - Marks Obtained –80.1%
- Indian School Certificate Examination, 12<sup>Th</sup> Standard, 2009  
*MC. William Higher Secondary School Alipurduar, India*
  - Marks Obtained -82%
- Bachelor of Engineering in Civil Engineering, 2010 — 2014  
*Burdwan University, Burdwan, India*
  - Marks Obtained- 75.9%
- M.Tech in Structural Engineering, 2015 — 2017  
*Indian Institute of Technology, Guwahati, India*
  - CGPA –6.49 out of 10 ( 64.9%)

## **Career Achievements:**

- Holding a scholarship funded by MHRD during M.Tech
- Merit Scholarship of Govt. of West Bengal during B.Tech

## **Computational Skills :**

- **Technical Software's** –SAP2000, Ansys, Staad Pro, Auto CAD
- **Basic Utilities** - MS Word, MS Excel, MS PowerPoint
- **Operating System** - Windows

## **Projects :**

- **Title :Seismic Retrofitting Of Multistoreyed Reinforced Concrete Building**  
[M.Tech project]
- **Objective** : damage point of the structure is located in the finite element model and retrofitting of the weak elements/members are done and then performance of the best retrofitted model has been done.
- **Title :Pushover Analysis Of Multistoreyed Reinforced Concrete Building**  
[M.Tech project]
- **Objective** : to understand the behavior of each member of a structure and point out weak elements among them.
- **Title: Use Of Rice Husk Ash As Admixture With OPC and compare with PPC as it is Economical or Not**  
[B.Tech project]

## **Conferences:**

- **Title : reliability based optimum design of nonlinear tmd with duffing stiffness for vibration control of 76 story benchmark building (Sourav Das, Amit Kumar Das)**  
[Submitted in: Structural Engineering Convention 2018, Jadavpur University, India]
- **Title : reliability based seismic response control of liquid storage tank isolated by polynomial friction pendulam isolator (Amit Kumar Das, Sourav Das)**  
[Submitted in :Structural Engineering Convention ,Jadavpur University, India, 2018]

## **Training, Certifications and Experience:**

- Working as a Assistant Professor in Civil Engineering Department (Duration: june,2018-Present in jis college of engineering, India)
- Working as a Teaching Assistant (Duration: July, 2015-2017 in IIT Guwahati)
- Vocational Training at Simplex Infrastructure Pvt. Ltd (JAN'2013)

## **Key Skills:**

- Hardworking
- Dedicated and devoted
- Good communication skills

## **Languages Known:**

- English
- Bengali
- Hindi