

CURRICULUM VITAE

GITARTHA KALITA

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PERMANENT ADDRESS

C/O Mr. Kailash Kalita
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RESEARCH INTEREST

- Environment Friendly Composite Building Materials, Anti bacterial/fungal materials
- Polymers in Building Materials, Fibre Reinforced Plastic rods, Sulphur concrete
- Cement modified asphalt, Asphalt aggregates
- Steps and Measures to tackle Sick Building Syndrome
- Application of Nanotechnology for Smart Materials in Civil Engineering
- Modelling and Simulation of Structures using ANSYS, SAP2000, ABAQUS, MATLAB

EDUCATIONAL DEGREES

M.Tech (Structural Engineering)
(July, 2013 – May, 2015)

Department of Civil Engineering, National Institute of Technology Silchar, 2015 securing CGPA 8.65 (on 10 scale)

Dissertation Title: *Translational and Rotational Effect of Earthquake Ground Motion on a Bridge Substructure:*

An attempt has been made to investigate the translational and rotational effects of earthquake ground motion on a four span box girder bridge model. P waves, S waves and Rayleigh waves were considered for various angles of incidence. Ground responses namely displacement, velocity and acceleration of the bridge substructure has been given due consideration.

B.Tech (Civil Engineering)
(July, 2008 – June, 2012)

Assam Engineering College, 2012 securing
72.69%

AHSEC - 2008

Shrimanta Shankar Academy, Guwahati,
2008 securing 76.8 %

SEBA - 2006

Ankur Seminary, Guwahati, 2006 securing
81.67 % (CBSE)

RESEARCH PAPERS

2019

An Assessment of Sick Building Syndrome : A Survey of Hospitals in North Lakhimpur, Assam, India, NCRAS 2019

“Sustainable Design against Rocking using Matlab”, NCRAS 2019

2018

“Using Mycelium as a Building Material in India” International Conference on Waste Management, RECYCLE 2018, IIT Guwahati

2017

“Zinc Oxide Nanorods in Building Materials: Anti Fungal and Anti Bacterial Studies ”, International Conference on Advances in Nanotechnology, 9th – 13th January, 2017

2016

“Optimum Earthquake Resistant Design based on the lowest rocking response of a system to a particular earthquake excitation using MATLAB”, 1st International Conference on Civil Engineering for Sustainable Development – Opportunities and Challenges CESDOC 2016, 19th to 21st December 2016, Assam Engineering College, Guwahati, India

“A Brief Study on the Influence of Ductile Fluids on the Quality of Concrete in terms of its Compressive Strength”, Journal of Material Science and Mechanical Engineering (JMSME), Volume 3, Issue 7, October-December, 2016 pp. 460-462.

International Conference on Innovative Research in Applied Physics, Material Sciences, Instrumentation, Electronics, Communication, Electrical, Power Control, Computer Science and Information Technology (TECHNOVA – 2016)

2015

“Translational and Rotational Effect of Earthquake Ground Motion on a Bridge Substructure”, Journal of Civil Engineering and Environmental Technology, Volume 2,

Number 4, April-June,2015 pp. 314-318

7th International Conference on Emerging Technologies in “Civil Engineering, Architecture and environmental for Global Sustainability (CEAEGS – 2015), Jawaharlal Nehru University, New Delhi.

SOFTWARE SKILLS

SAP2000, ANSYS, ABAQUS, STAADPRO, MATLAB

EXPERIENCE IN TEACHING (6 YEARS 1 MONTHS)

Worked as Teaching Assistant in the Department of Civil Engineering, National Institute of Technology Silchar in the Subject of Design of Reinforced Concrete Structures

1 year Teaching Experience at Regional Institute of Science and Technology (Affiliated to North Eastern Hill University)

Working at Assam Don Bosco University since July 2015 (5 years 1 months)

INDUSTRIAL TRAINING AND PROJECTS

1. (7th Semester, B.E.) Design of embankment and spur on both sides of the river Subanshiri, Assam, INDIA
2. (8th Semester, B.E.) Analysis of a five storey (G + 4) building for a earthquake prone zone.
3. Training at Public Works Department Road Research Laboratory division, Government of Assam
4. Training in S.M. Corporations which is the pioneering business development partner of TATA steel in North East India
5. Training at Tata Steel Headquarters in Jamshedpur and Kolkata

AWARDS AND ACTIVITIES

1. Received MHRD, Government of India, scholarship for pursuing Post-Graduation studies in the Department of Civil Engineering, National Institute of Technology Silchar from July, 2013 to June, 2015.

PERSONAL

Date of Birth: 6th November, 1989

Place of Birth: Margherita, Assam, India

Languages known: English, Hindi, Bengali and Assamese

Marital status: Unmarried

DECLARATION

I hereby declare that the above furnished information is true to best of my knowledge.

Place: Guwahati

Date: 15-03-2017

Gitartha Kalita

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