

CURRICULUM VITAE

Amit Shaw

Professor

**Department of Civil Engineering,
Indian Institute of Technology Kharagpur
Kharagpur 721302, India**

Tel. No.: +91 32222 83424

**Email: abshaw@civil.iitkgp.ac.in
abshawteaching@gmail.com**



EDUCATION

Degree	College/ Institute	Year	Specialization
PhD	Indian Institute of Science Bangalore	2007	Computational Mechanics
MTech	Indian Institute of Technology Roorkee	2003	Structural Engineering
BE	Bengal Engineering College Shibpore (Now known as IEST)	2000	Civil Engineering

EXPERIENCE

Nature of Experience	University/ Organization	Designation	Period
Industry	Gammon India Limited	Junior Engineer	25-09-2000 to 10-04-2001
Industry	L&T ECC	PGET	14-04-2003 to 26-12-2003
Post Doctoral Research	University of Aberdeen, U.K.	Research Fellow	14-11-2007 to 22-07-2009
Teaching / Research	IIT Kharagpur	Assistant Professor	29-07-2009 – 03-04-2016
Teaching / Research	IIT Kharagpur	Associate Professor	04-04-2016 – 21-12-2022
Teaching / Research	IIT Kharagpur	Professor	22-12-2022 – continuing

RESEARCH INTEREST

- Particle-based methods
- Computational Impact Mechanics
- Natural fibers

RESEARCH GUIDANCE

PhD: Completed: 07

Ongoing: 03

MTech: Completed: 25

Ongoing: 02

AWARDS/ RECOGNITION

Young Faculty Award 2012, Indian Institute of Technology Kharagpur

TEACHING

Undergraduate level (presently teaching):

Strength of Materials
Design of R C Structures
Structural Modelling and Simulation Laboratory

NPTEL MOOC Courses:

Structural Analysis I
Matrix Method of Structural Analysis
Finite Element Method
Theory of Elasticity

QEEE Courses:

Limit State Design Of Beams And Columns

Postgraduate level (presently teaching):

Fracture Mechanics
Fluid-Structure Interaction,

Web-based course:

Strength of Materials

PUBLICATIONS

Refereed journals: 51

Proceedings of seminars/conferences: 14

SPONSORED PROJECT

Ramic fiber in dfence applications: Development of low-cost protective units, National Technical Textile Mission (NTTM), Ministry of Textile, Gov. of India, 13.0 L (Ongoing)

Development of ramie fibre-based cost effective protective shield against impact and blast, DST, Value Rs. 31.72 L (Completed)

Development of smoothed particle hydrodynamics (SPH) capability for naval applications, Naval Research Board, DRDO, Value Rs. 71.42 L (Completed)

An integrated computational & experimental approach to Structural Design for Ballistic Impacts & Blast, DRDO, Value Rs. 155.58 L (Completed)

Underwater non-contact explosive response of marine grade sandwich composite panels, Naval Research Board, DRDO, Value Rs. 72.48 L (Completed)

Characterization of Ballistic Performance of Ceramic-Metal Composite Armour against Armour Piercing (AP) Projectile, IIT Kharagpur, Value Rs. 5.0 L (Completed)