

Curriculum Vitae

Shantanu Bhattacharjee

Research Scholar, Building Technology & Construction Management Division

Department of Civil Engineering

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EDUCATION

Degree/ Examination	Year of Passing	School/Institute	Board/ University	Percentage/ Grade
M.Tech + PhD (BTCM, Civil)	Pursuing	Indian Institute of Technology Madras, Chennai	Indian Institute of Technology Madras, Chennai	8.76
B.E. / B.Tech (Civil)	2015	National Institute of Technology Durgapur	National Institute of Technology Durgapur	8.08
Class XII	2011	Kendriya Vidyalaya No.2 Kharagpur	Central Board of Secondary Education	90%
Class X	2009	Kendriya Vidyalaya No.2 Kharagpur	Central Board of Secondary Education	92.8%

RESEARCH INTERESTS

- Additive manufacturing - 3D concrete printing
- Fresh state properties of concrete
- Numerical Modelling
- Rheology of concrete
- Microstructure Analysis
- Hardened state properties

RESEARCH OUTPUT

1. Presented the poster “Effect of accelerating admixture on buildability properties of 3D printable concrete” at 2nd International RILEM conference Rheology and Processing of Construction Materials (Rheocon2) and 9th International RILEM conference symposium Self-Compacting Concrete (SCC 9), 2019.

AWARDS AND RECOGNITIONS

1. Awarded **Prime Minister Research Fellowship** by **Government of India, 2019**
2. Secured **99.5 percentile** in National level **GATE 2017** examination

RESEARCH AND INDUSTRIAL EXPERIENCE

PhD Thesis Title - Buildability of 3D Printable Concrete

UG project title- Use of innovative materials in road construction under Dr. Supriya pal, NIT Durgapur, 2015.

Industrial training/ Internship-

6 months internship in Saint Gobain Research India, Chennai, 2019
1-month vocational training in metro railways, Kolkata, 2013
1-month vocational training in South Eastern Railways, 2014

COMPUTING SKILLS

- **Packages** - Autodesk AutoCAD, ABAQUS, StaadPro, Revit, Tekla Structures, Dynamo
- **Tools** -MS Office, ORIGIN, Matlab
- **Language** - C, C++, Java, Visual Basic

LINGUISTICS

- English, Hindi and Bengali.

EXTRA CURRICULAR ACTIVITIES

- Diploma holder in fine arts from Pracheen Kala Kendra Chandigarh
- Authored a book -“The Sacred Darkness” published by subsidiary of Penguin publishing house.
- Debate – 1st position holder in Hindi debate competition held by Rajbhasha samiti 2013
- essay writing and composing poems and stories- writes in cosmofunnel (online magazine)