



PAYEL ROY

PhD Research Scholar, Indian Institute of Technology, Madras

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EDUCATION

- **Indian Institute of Technology, Madras** *Tamil Nadu, India*
Pursing PhD in Civil Engineering with Transportation Engineering specialization
Tentative Thesis Title: Strategies to improve urban public transport systems through integrated demand, supply, and behavioural policies
- **Indian Institute of Engineering Science and Technology, Shibpur** *West Bengal, India*
M.Tech in Civil Engineering with Transportation Engineering specialization (2018-2020)
Thesis Title: Impact of rapid transit on surface public transportation system: case study Kolkata
Technical paper: “Effect of Rapid Transit on Surface Public Transportation System - Case Study Kolkata” has been presented in the second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020), March 02-04, 2020.
Marks Obtained: 90.94%
- **Jalpaiguri Government Engineering College** *West Bengal, India*
B.Tech in Civil Engineering, (2013-2017)
Undergraduate Project:
 - Analysis and design of G+3 residential building by manual calculation. Structural members are designed using load conditions and detail drawing is prepared as per IS code provisions.
 - Structural analysis design and modeling of transmission tower in Staad Pro.
 - Determination of the relation between energy and dry density and also with moisture content during heavy and light compaction.Industrial Project:
 - Attended training on 'Civil Works' conducted by Public Works Department of Barasat, West Bengal and observed the working of engineers at the construction site.
 - Training on 'Water Treatment' conducted by water supply department of Kolkata Metropolitan Development Authority and visited the water treatment plant at Panihati, Bhadreswar, Bhatpara and Baranagar in West Bengal.Marks Obtained: CGPA 8
- **Barasat Kalikrishna Girls' High School** *West Bengal, India*
Higher Secondary examination (2013) under West Bengal Council of Higher Secondary
Marks Obtained: 86.6%
Secondary examination (2011) under West Bengal Board of Secondary Education
Marks Obtained: 91%

SKILLS

Software: AutoCAD, Staad pro and SPSS

Programming: Matlab

Language: English, Hindi and Bengali

ACADEMIC DISTINCTIONS AND SCHOLARSHIP

- Secured Post Graduate Scholarship (GATE 2018), 2018-2020.
- Secured rank in top 2% in West Bengal Joint Entrance Examination 2013.
- Selected for an award Central Sector Scheme of Scholarship for college and university students of the government of India on results of Higher Secondary Examination 2013 for securing 189 rank.
- Secured First Division in Primary Education Development Board (W.B) Final Examination.

ATTENDED COURSES AND SEMINARS

- Global Initiative for Academic Networks (GIAN) course on Smart Urban Multimodal Transport Planning, Operations and Management.
- TEQIP-III sponsored course on Research and Innovations in Traffic Safety Engineering (RITES-2019) in IEST, Shibpur.
- TEQIP-III sponsored workshop on Transportation in Rural Areas in IEST, Shibpur.