

Dinesh Gundavaram

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Google scholar:

<https://scholar.google.com/citations?user=IJRiCYIAAAAJ&hl=en>.



EDUCATION

Institute of Aeronautical Engineering, Hyderabad

B.Tech in Civil Engineering, 2015

GPA – 7.51/10

Indian Institute of Technology Kharagpur

M.Tech in Railway Engineering, 2017

GPA – 8.26/10

Indian Institute of Technology Patna

PhD in Civil Engineering, 2021

SKILLS

Abaqus; CSI-Bridge; Preliminary
knowledge of AUTOCAD software

AREA OF INTEREST

Rail track geotechnology, Pavement
Geotechnics, Ground improvement
techniques, Geosynthetics

SUBJECT TAUGHT

Teaching Assistant at IIT Kharagpur:
Structural laboratory

Teaching Assistant at IIT Patna:
Transportation laboratory; Surveying
laboratory; Surveying (Theory); Railway
engineering

ACHIEVEMENTS

- Secured 2nd place in state civil modelling event conducted by Institute of Aeronautical Engineering college, Hyderabad in 2014.
- Received Indian Railways scholarship on merit basis at Indian Institute of Technology Kharagpur for M.Tech.
- Experience in on-field inspection and maintenance of railway track and bridges for 2 months at South Eastern Railway, Kharagpur.

PUBLICATIONS

- Syed K. K. Hussaini and Dinesh Gundavaram. (2021). “Shear strength and drainage characteristics of Elastomeric Polyurethane treated coal-fouled ballast”, **Transportation Research Record**.
- Dinesh Gundavaram and Syed K. K. Hussaini. (2021). “Influence of Coal Fouling on the Shear Behaviour of Elastan-treated Railroad Ballast”, **Journal of Materials in Civil Engineering**, ASCE, 33 (9).
- Dinesh Gundavaram and Syed K. K. Hussaini. (2020). “Performance evaluation of polyurethane-stabilized railroad ballast under direct shear conditions”, **Construction and Building Materials**, 255.
- Dinesh Gundavaram and Syed K. K. Hussaini. (2019). “Polyurethane-based stabilization of railroad ballast—a critical review”, **International Journal of Rail Transportation**, 7(3) 219-240.

DISSERTATION & THESIS

- Submitted thesis on “Behavior of polyurethane-stabilized ballast under various loading conditions” for the partial fulfillment of the requirements for the degree of Doctor of Philosophy at IIT Patna.
- Submitted dissertation on “Early detection of damages in railway steel truss bridges from measured dynamic responses” in 2017 for the partial fulfillment of the requirements for the degree of Integrated Master of Technology at IITKGP.
- Submitted dissertation on “Mix design of a concrete (M25) by replacing of cement with fly ash” in 2015 for the partial fulfillment of the requirements for the degree of Bachelor of Technology at JNTUH.

LANGUAGES

English

Professional Working Proficiency

Telugu and Hindi

Native Proficiency

DECLARATION

To all those concerned I, Dinesh hereby declare that the information furnished in the above lines of this document are true to my believe.