

Roouf Un Nabi Dar

CE21D016

PhD student

Department of Civil engineering

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CAREER OBJECTIVE AND RESEARCH INTERESTS

To pursue quality research and to make the best use of my technical expertise in structural engineering in a research based career; hence to acquire and apply advanced knowledge in a particular field, "Shock mechanics".

EDUCATION

Program	Institute	Percentage/ CGPA	Year of Completion
Since August 2021	Pursuing PhD in civil engineering with specialization of structural engineering, IIT Madras. PhD project: Projectile penetration of concrete. Under the guidance of Dr.P. Alagappan.	9.16	-----
M.Tech in Earthquake engineering	Jamia Millia Islamia, New Delhi	9.27	2020
B. Tech in Civil Engineering	Islamic University of Science and Technology, Awantipora	91.4%	2016
XII (JKBOSE)	Govt. Higher secondary school Dadsara Tral Pulwama	93.0%	2011
X (JKBOSE)	Govt. Higher secondary school Dadsara Tral Pulwama	89.0%	2009

SCHOLASTIC ACHIEVEMENTS AND AWARDS

Secured first position in School in 10 th class with 89% marks
Secured first position in School in 12 th class with 93% marks
Qualified AIEEE in 2012
Qualified GATE exam in 2018 and 2020
Position holder in M.Tech
Secured PhD. seat in IIT Madras in July 2021

RELEVANT COURSES

Structural engineering	<ul style="list-style-type: none"> Advanced mechanics of structures. Structural dynamics Structural fire engineering Elastic and plastic stress analysis 	<ul style="list-style-type: none"> Fracture mechanics of concrete Ground Advanced concrete technology RCC design Finite element method
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SKILLS

Software	ABAQUS Ansys LS Dyna STAAD.Pro Sap2000 AutoCAD Primavera P6
Programming Languages	C C++ MATLAB Python Fortran

PROJECTS

Behaviour of Reinforced concrete structures subjected to blast loading	March'20-Sep'20 (MTech)
Design of Intze water tank	Aug'19-Jan'20 (MTech)
Identification characterization and engineering properties of expansive soils and stabilization of the same using glass powder	Aug'15-Aug'16 (B.Tech)

PROFESSIONAL EXPERIENCE

1. Internship at Srinagar Road Project under Ramky Infrastructure Pvt. Ltd	Jan'15-March'15
2. Internship at PanIIT Global Virtual Summit 2021	July'21-Sep'21

EXTRACURRICULAR ACTIVITIES

- Participated in short course "Recent Advances in Computational Damage and Fracture Mechanics" Conducted by Subsurface Mechanics and Geo-Energy Laboratory, Institute of Eminence Research Initiative, Indian Institute of Technology Madras, Chennai (July 2022).
- Participated as a reviewer in "EURO MED SEC", The Fourth European and Mediterranean Structural Engineering and Construction Conference, Leipzig, Germany (20-25 June'22).
- Participated in the One-week Workshop on "Patent Filing" Organized by Department of Electrical Engineering & Civil Engineering, National Institute of Technology Srinagar, JK (20th to 24th June, 2022).
- Participated in the online Advanced course on "Fatigue and Fracture behavior of steel and concrete structures and components",

Conducted by CSIR-SERC, Chennai (May2022)

5. Participated in Seminar on "Entrepreneurship opportunities" organised by Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi (2020).
6. Participated in International seminar on "Application of Reliability and risk analysis to Civil engineering and beyond" held by Department of Civil engineering Jamia Millia Islamia, New Delhi (2019).
7. Participated in International Workshop titled "Landslide management and mitigation" organised by Department of Civil engineering Jamia Millia Islamia, New Delhi (2018).
8. Participated in University workshop "Innovation frontier- 1" organised by DIC IUST Awantipora (2016).

PUBLICATIONS

1. Response of reinforced concrete bridge subjected to blast loading

Dar R.U.N., and Alagappan P. (2022) Response of reinforced concrete bridge subjected to blast loading” In: Marano G. C. et al (eds) Proceedings of Secon2022, Lecture Notes in Civil Engineering, 284 vol 135. https://doi.org/10.1007/978-33-6389-2_14

2. Damage evaluation of reinforced Concrete Bridge Subjected to blast loading

Dar R.U.N., Alam M. (2021) Damage Evaluation of Reinforced Concrete Bridge Subjected to Blast Loading. In: Chandrasekaran S., Kumar S., Madhuri S. (eds) Recent Advances in Structural Engineering. Lecture Notes in Civil Engineering, vol 135. Springer, Singapore. <https://doi.org/10.1007/978-3-031-12011-4>

3. Effect of Skew Angle on the Dynamic Response of a Reinforced Concrete Bridge under Blast Loading

Roouf Un Nabi Dar, S.M. Anas and Mehtab Alam (2020)-“Effect of Skew Angle on the Dynamic Response of a Reinforced Concrete Bridge under Blast Loading” Accepted for 12th Structural Engineering Convention December 2020+2 organised by National Centre for Disaster Mitigation & Management, Malaviya National Institute of Technology Jaipur, Malviya Nagar, Jaipur 302017, Rajasthan, India. (Article in press).

4. Gravity dams under blast loading: A Review

Roouf Un Nabi Dar, and Mehtab Alam (2020)-“Gravity dams under blast loading: A Review” Accepted for 12th Structural Engineering Convention December 2020+2 organised by National Centre for Disaster Mitigation & Management, Malaviya National Institute of Technology Jaipur, Malviya Nagar, Jaipur 302017, Rajasthan, India.(Article in press).

5. Understanding Disaster Risk, its components and reduction

Roouf Un Nabi Dar, and Mehtab Alam (2020)-“Understanding Disaster Risk, its components and reduction”. International Conference on Building Resilient and Sustainable Societies: Emerging Social And Economic Challenges. (25-26, 2020) organized by the Department of Geography, Jamia Millia Islamia, New Delhi.

ASSOCIATIONS

- Member of American society of Civil Engineers (ASCE).
- Member of Indian society of Applied mechanics (ISAM).

FELLOWSHIPS AND AWARDS

- GATE fellowship from All India Council of technical education (AICTE), as a Master’s student at Jamia Millia Islamia, New Delhi.
- Position Holder in M. Tech.
- HTRA Fellowship from Ministry of Human Resource Development (MHRD), as a PhD research scholar in IIT Madras

HOBBIES

Art and craft | Avid reader of poetry | Gardening | Cricket

Referees:

1. Dr Alagappan Ponnalagu
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