

Resume



Name : Dr. Vimal Kumar
Designation : Assistant Professor
Department : Civil Engineering
Qualification : Ph.D.
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Other Profile Links

Research Gate Link :

Personal Web Link :

Google Scholar Link :

Research Profile

Research Interests : Low and high velocity impact on concrete, metals and composite materials; Performance of structures under blast loading; Finite Element Analysis;

Brief Research Profile :

Qualification

Name of the Degree	Year Of Passing	Institute/University
Ph.D. in Civil Engineering (Structures)	2019	Indian Institute of Technology Roorkee
M.Tech. in Structural Engineering	2012	Malaviya National Institute of Technology Jaipur
B.Tech in Civil Engineering	2010	University College of Engineering, Rajasthan Technical University, Kota

Publications

Year	Journal	Publication	Indexed In
2018	Thin-Walled Structures	Experimental investigation of prestressed and reinforced concrete plates under falling weight impactor. 126 (2018) 106-116	SCI
2018	Construction & Building Materials	Study of induced prestress on deformation and energy absorption characteristics of concrete slabs under drop impact loading. 188 (2018) 656-675	SCI
2019	International Journal of Impact Engineering	Experimental and numerical studies on the drop impact resistance of prestressed concrete plates, 123 (2019) 98-117	SCI
2020	Engineering Structures	Experimental and numerical investigation of reinforced concrete slabs under blast loading, 206 (2020) 110125	SCI
2017	Procedia Engineering	Behaviour of prestressed concrete under drop impact loading, 173 (2017) 403 - 408	SCOPUS
2017	Procedia Engineering	Behaviour of prestressed and reinforced concrete plates subjected to impact loads induced by free falling indenter. 173 (2017) 397 - 402	SCOPUS
2017	Procedia Structural Integrity	Impact resistance of prestressed and reinforced concrete slabs under falling weight indenter, Procedia Structural Integrity 6, 95-100	SCOPUS , WoS
2017	Procedia Structural Integrity	Energy absorption capacity of prestressed and reinforced concrete slabs subjected to multiple impacts, Procedia Structural Integrity 6, 11-18	SCOPUS , WoS

Edited Book/Book Chapter

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
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Research Projects

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
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Research Supervision

Programme Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor
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Patents

Name	Reg./Ref.No.	Date Of Award/Filing	Organization	Status
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Teaching

Programme Name	Subjects Taught	From	To	Credits
Assistant Professor	Department of Civil Engineering, University Departments, Rajasthan Technical University, Kota	19/01/2018	19/11/2019	1 Year and 10 Months

Administrative Responsibilities

Position Held	Organization	From	To	Remarks
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Expert Talks

Title	Place	Year	Description
Performance of prestressed and reinforced concrete plates against impact loading	Engineering College Jhalawar	2020	TEQIP III Sponsored Two Week Online STTP on "Assessment of Engineering in Infrastructural Development"
Expert lecture in Faculty Development Programme on	Aanand International College of Engineering, Jaipur.	2021	Expert lecture in Faculty Development Programme on "Advancement in Structural Engineering & Concrete Technology" during 1-5 February, 2021 organized by Aanand International College of Engineering, Jaipur.
Expert lecture in Short Term Course on Analysis and Design of Structures: Practices and Challenges during February 15-19, 2021 organized by the Department of Civil Engineering, NIT Jalandhar.	NIT Jalandhar.	2021	Expert lecture in Short Term Course on Analysis and Design of Structures: Practices and Challenges during February 15-19, 2021 organized by the Department of Civil Engineering, NIT Jalandhar.
Expert lecture in QIP Short Term Course on Resent Advancement in Structural and Geotechnical Engineering during 08-13 March 2021 organized by the Department of Civil Engineering, IIT Indore.	IIT Indore	2021	Expert lecture in QIP Short Term Course on Resent Advancement in Structural and Geotechnical Engineering during 08-13 March 2021 organized by the Department of Civil Engineering, IIT Indore.

Professional Activities

Name of Activity	Role	Duration	Organization
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Courses Organized

Category	Type	Title	Venue	From	To	Designation
stc	Online STC	Advances in Structural Engineering (ASE-2021)	Online	11/01/2021	15/01/2021	Coordinator and Treasurer

Date :

Place :

Signature