

Dr. Hanuma Kasagani



Designation : Assistant Professor
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Contact at : CE 226, Department of Civil Engineering,
 V. R. Siddhartha School of Engineering,
 Siddhartha Academy of Higher Education
 (An Institution Deemed to be University)
 Vijayawada – 520 007, Andhra Pradesh.

Education

Ph. D (Structural Engineering)

2019, National Institute of Technology, Warangal-Telangana-India

Thesis Title: “A Study On Strength and Deformation of Graded Glass Fiber Reinforced Concrete under Uni-axial Stress.”

M.Tech (Structural Engineering)

2012, National Institute of Technology, Surathkal-Karnataka-India

Dissertation Title: “Effect Of Recuring On Copressive Strength Of Concrete Exposed To Elevated Tempratures And Gradually Cooled In Air”

B.Tech (Civil Engineering)

2010, SRKREC, Bhimavaram-Andhra Pradesh-India

Dissertation Title: “A Study On Self Compaction Of Concrete”

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2018-till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Concrete Technology Lab in charge, NBA – Criterion 7 In charge, ICI-VRSEC Student Chapter Faculty Coordinator, CE-Website In charge
2014-2018	Research Scholar	National Institute of Technology, Warangal	
2012-2014	Assistant Professor	Vignan's Foundation for Science, Technology & Research (Deemed to be University)	

Research Interests

Broad Area of Research :

3D Concrete Printing, Fiber Reinforced Composites, Functionally Graded Materials, Structural Health Monitoring, Corrosion Resistant Structures, Repair and Rehabilitation of RC Structures, Buckling Behaviour of Steel Structures.

Honors and Awards

- Received **Outstanding Concrete paper** of Andhra Pradesh for the ICI (Vijayawada Centre) – **UltraTech Award – 2020**
- Received **Institute Teaching Assistantship** as a Ph.D Research Scholar at NIT Warangal from Ministry of Human Resources Development (MHRD) from December 2014 to September 2018.
- Received **Institute Teaching Assistantship** at NIT Surathkal from Ministry of Human Resources Development (MHRD) during M.Tech, from July 2010 to June 2012.
- Received **Best Teacher Award** from Vignan's Foundation for Science, Technology & Research (Deemed to be University).
- Session Chair at National Virtual Conference 2020 on Sustainable Construction Technologies and Advancements in Civil Engineering on 09/10/2020 and 10/10/2020 organized by Department of Civil Engineering, Shri Vishnu Engineering College for Women(Autonomous) In association with Indian concrete institute -Student Chapter.
- Expert session on 10/06/2021 as part of Faculty Development Programme (Online) on Advanced Applications of structural concrete in Civil Engineering organized by department of civil engineering, K L Deemed to be University, in association with ICI – K L Student Chapter.
- Co-Chair in one of the technical sessions during Two-day International Conference on Advances in Civil Engineering (ICACE-2021) organized by Department of Civil Engineering, K L Deemed to be University during 25-26 June, 2021.
- Session Chair in the International Conference on Innovative and Sustainable Technologies in Civil Engineering (ISTCE 2021) organized by the Department of Civil Engineering, Bapatla Engineering College, Bapatla, held between September 24th & 25th, 2021.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Engineering Mechanics	UG
2	Mechanics of Materials – 1 & 2	UG
3	Structural Analysis – 1 & 2	UG
4	Analysis and Design of RC Structures using STAAD Pro Lab, Auto Desk-Reviet and Excel for Engineers Lab, Building Information Modelling Lab,	UG
5	Computer Aided Reinforced Concrete Design	PG
6	Theory of Elasticity	PG
7	3D Concrete Printing Lab	PG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?user=8277k2YAAAAJ&hl=en&oi=ao
Scopus ID	57195671417
ORCID	https://orcid.org/0000-0002-1791-9246
dblp	--
Publons	--
Research Gate	https://www.researchgate.net/profile/Hanuma-Kasagani?ev=hdr_xprf
LinkedIn	https://www.linkedin.com/feed/?trk=guest_homepage-basic_google-one-tap-submit

Recognized Research Supervisor

S.No.	Department	University
1	Civil Engineering	Siddhartha Academy of Higher Education

➤ Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Experimental Investigation on Stainless Steel Reinforcement in Concrete Structures	Completed	Rail Vikas Nigam Limited (RVNL)	10,00,000	2 Years
02.	Funded	“Development of Sustainable 3D Dry Mix Cementitious Material”	On-Going	Shree Cement Limited	5,00,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
-	-	-	-	-

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	Coursera	8 Weeks	2021
2.	Introduction to Engineering Mechanics	Coursera	8 Weeks	2022

Consultancy Projects

Completed	01
On-going	Nil
Applied	Nil

Patents

S.No	Title	Status	Application No.	Year
1.	A 3D Printable Concrete Dry Mix Composition	Field	202541083870	2025
2.	A Composition For A Concrete Material	Field	202541083872	2025

Ph.D

Awarded	00
Guiding	01

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

- Reviewer in Structures and Buildings, ICE
- Reviewer in International Journal of Steel Structures
- Reviewer in Construction and Building Materials
- Reviewer in IEEE journal
- Reviewer in Innovative Infrastructure Solutions (IISS)
- Reviewer in International Journal of Steel Structures (SIJ)
- Reviewer in Structural Concrete

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	2
International / National Level Conferences	4
Workshops	7
Instructor Led / Self-Paced Courses	2
Webinars	4

Professional Bodies Membership Details

12682	Indian concrete institute (ICI)
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(Dr. HANUMA KASAGANI)

16/09/2025