

RESUME

KUNCHALA ASHOK

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Career Objective: To obtain a responsible and challenging position where my education will have valuable application and where I can effectively contribute my skills.

Academics:

Pursuing Ph. D. in Civil Engineering (Structural Engineering) (Reg No: PP032053) in National Institute of Technology at Tadepalligudem in Andhra Pradesh.

Qualification	Percentage (%) / CGPA	Year of Passing	College /University
Ph. D	--	2026	NIT AP
M. Tech in Structural Engineering	9.05	2017	JNTUH
B. Tech in Civil Engineering	75.85	2015	JNTUH
Intermediate (M.P.C)	91.3	2011	BIEAP
S.S.C	81.8	2009	BSEAP

Academic Exposure:

Mini Project: Case study on (L&T) construction, Hyderabad.

Main Project: Compressive strength and Water absorption characteristics of various bricks.

M. Tech. Project: Study on strength and durability characteristics of light weight expanded clay aggregate concrete.

Ph. D Title: Performance Optimization of Sustainable Concrete and Paver Blocks Using Recycled Fine Aggregates, Sugarcane Bagasse Ash, and Ground Granulated Blast Furnace Slag.

Publications

Journals

1. S. Sanjana and **K. Ashok**, “A Review of Waste Foundry Sand in Sustainable Concrete: Enhancing Strength and Durability with Agro-Waste and Supplementary Cementitious Materials,” *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, 2026, doi: 10.1007/s40996-026-02203-2 (Q2).
2. **K. Ashok**, S. M. Subhani, and B. Sundaram, “Performance evaluation of sustainable concrete and paver blocks incorporating sugarcane bagasse ash, recycled fine aggregates, and crusher sand,” *Eng. Res. Express*, vol. 8, no. 12, p. 125113, Jun. 2026, doi: 10.1088/2631-8695/ae7897(Q2).
3. **Ashok, K.**, Subhani, S. M., and Sundaram, B. (2025). “Enhancing strength and durability of sustainable concrete paver blocks with recycled aggregates, agro and industrial by-products.” *Iranian Journal of Science and Technology, Transactions of Civil Engineering*. <https://doi.org/10.1007/s40996-025-01988-y> (Q2).
4. **Ashok, K.**, Subhani, S. M., and Sundaram, B. (2025). “Performance characteristics of ternary blended concrete incorporating fine recycled aggregate, sugarcane bagasse ash and ground granulated blast furnace slag.” *Journal of Building Pathology and Rehabilitation*, 10, 141. <https://doi.org/10.1007/s41024-025-00650-4> (Q2).
5. **K. Ashok**, “Experimental Investigation on Nano Alumina Based Concrete”, *ARPN Journal of Engineering and Applied Sciences*, volume 16, issue 1, January 2021, PP. 76 - 87.
6. **K. Ashok**, “Influence of Nano Particles in Concrete – A Review”, *International Journal of Advanced Research in Engineering and Technology (IJARET)* Volume 11, Issue 6, June 2020,

PP. 248-263.

7. **K. Ashok**, “Strength Properties of Light Weight Expanded Clay Aggregate Concrete,” Journal on Structural Engineering, pp. 1–6, Dec. 2018–Feb. 2019.

Conferences

1. **Kunchala Ashok**, “Experimental Study on Metakaolin & Nano Alumina Based Concrete”, 3rd International Conference on Inventive Research in Material Science and Technology (ICIRMCT 2021), January 22 – 23, 2021, IOP Conference Series: Materials Science and Engineering.
2. **Kunchala Ashok**, “Study on Mechanical Properties of Nano-Concrete Using Nano Alumina”, Conference on “Recent Innovations in Science and Engineering” (RISE- 2021).
3. **Kunchala Ashok**, “Study on Strength and Durability Properties of Light Weight Expanded Clay Aggregate Concrete”, Conference on Recent Trends in Civil Engineering (RTCE – 2019).

NPTEL Courses

1. Design of Reinforced Concrete Structures
2. Electronic Waste Management – Issues and Challenges
3. Plastic Waste Management
4. Maintenance and Repair of Concrete Structures
5. Hydration, Porosity & Strength of Cementitious Materials
6. Global Navigation Satellite Systems and Applications
7. Concrete Technology

GIAN Courses

1. Risk and Life Cycle Assessment of Engineered Nano particles in the Environment

Workshops / Short Term Courses Attended (Online / Offline)

1. Participated in a one week online short term refresher course on AI & ML for Next – Generation Civil Engineering during 22nd – 27th December 2025 (CVR College of Engineering).

Software Skills

1. AutoCAD
2. MS Office
3. ETABS
4. STAAD. Pro
5. MATLAB.

Experience

1. Working as an Assistant Professor (Contract) in Jawaharlal Nehru Technological University of Hyderabad College of Engineering, Science & Technology, Hyderabad (JNTUH UCESTH) since November 2018 to till date.
2. Worked as an Assistant Professor in Avanthi's Scientific Technological and Research Academy for the year December 2017 – November 2018.

Strengths

1. Efficient management and organizational abilities.
2. Open minded to work in complex environment and projects.
3. Self-aware - always seeking to learn and grow.

Interests & Hobbies

1. Discussing and sharing views on current trends in business, politics.
2. Knowing about emerging technologies.
3. Reading newspapers.

Personal Details:

DOB: 11-12-1993.

Marital Status: Married.

Languages known: Telugu & English.

Nationality: Indian.

I affirm that the information given by me is true, complete & correct to the best of my knowledge.

Place: Hyderabad

Date:04-07-2026

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