

I	Name of Faculty	<b>Dr. T CHAITANYA SRIKRISHNA</b>										
II	Designation	Assistant Professor										
III	Nature of Job/Appointment	Regular										
IV	Date of Joining	07-10-2021										
V	E-mail	chaitanya_civil@cbit.ac.in										
VI	Education Qualifications	<p style="text-align: center;"><b>Name of the Degree</b></p> <table> <tr> <td>Ph.D.</td> <td>Doctor of Philosophy ( Civil Engineering )</td> <td>Class</td> </tr> <tr> <td>PG</td> <td>M.Tech. ( Engineering Structures )</td> <td>Distinction</td> </tr> <tr> <td>UG</td> <td>B.Tech. ( Civil Engineering )</td> <td>Distinction</td> </tr> </table>	Ph.D.	Doctor of Philosophy ( Civil Engineering )	Class	PG	M.Tech. ( Engineering Structures )	Distinction	UG	B.Tech. ( Civil Engineering )	Distinction	
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UG	B.Tech. ( Civil Engineering )	Distinction										
VII	Work Experience	<table> <tr> <td>Teaching</td> <td>7 years 7 months</td> </tr> <tr> <td>Research</td> <td>3.5 years</td> </tr> <tr> <td>Industry</td> <td>--</td> </tr> <tr> <td>Others</td> <td>--</td> </tr> </table>	Teaching	7 years 7 months	Research	3.5 years	Industry	--	Others	--		
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Research	3.5 years											
Industry	--											
Others	--											
VIII	Area of Specialization	Structural Engineering										
IX	Professional Memberships	<p>1 - Life members of AI-ML Innovative Entrepreneurs and Engineers association (AMIEE) - AMI/25/0926</p> <p>2 - Member of ASCE (Annual) (12479493)</p>										
X	Responsibilities held at Institution Level	IPME committee, Member IQAC, Co-Incharge for AQAR criteria 5, Member IIC.										
XI	Responsibilities held at Department Level	R&D Coordinator, Attendance In-charge, Marks In-charge, Mentor.										
XII	Research Guidance	--										
XIII	Courses Handled at Under Graduate / Post Graduate Level.	Reinforced Concrete Design, Design of Steel Structures, Structural Analysis, Concrete Technology, Engineering Mechanics, Concrete Technology Lab, AutoCAD Lab, CACE Lab.										
XIV	No. of Papers Published	<p>National Journals – Nil</p> <p>National Conference – Nil</p>	<p>International Journals – 08</p> <p>International Conference – 09</p>									
XV	Projects Carried out	08 projects at UG Level, 06 projects at PG Level.										
XVI	Patents	01 (Granted), 01 (Published)										
XVII	Technology Transfer	--										
XVIII	No. of Books/Chapter Published with details	06 Book chapters published (indexed in WoS / Scopus)										

XIX Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).

1. Organized a Five Day Faculty Development Programme on “MATLAB PROGRAMMING” as Organising Secretary in Sreenidhi Institute of Science and Technology held during 18<sup>th</sup> December to 22<sup>nd</sup> December, 2018.
2. Participated in a 6 Day Faculty Development Program on “Autodesk Revit Architecture”, conducted by ICT Academy at CMR Institute of Technology, Rangareddi, held during 12<sup>th</sup> December to 17<sup>th</sup> December, 2018.
3. Participated and successfully completed the 12 weeks Faculty Development Program and Certification Course on “Design of reinforced Concrete Structures”, organised by Swayam, NPTEL, during July 2019 to October 2019.
4. Participated in the Two Day Online Workshop on “Online Tools & Software for Remote Teaching - Learning”, organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State, held during 24<sup>th</sup> & 25<sup>th</sup> of April, 2020.
5. Participated in “Indo-China Research Webinar Series in Civil and Environmental Engineering”, jointly initiated by faculties from Shantou University, China, Vardhaman College of Engineering, Hyderabad, Indian Geotechnical Society Surat Chapter, SVNIT Surat and Qingdao University of Technology, China during 8<sup>th</sup> May to 19<sup>th</sup> May 2020.
6. Participated in a Five day Online Faculty Development Program on “Multi-Disciplinary Approaches in Civil Engineering”, organised by Department of Civil Engineering, Nalla Narasimha Reddy Education Society’s Group of Institutions, from 29th June to 03rd July, 2020.
7. Participated in Five Day Faculty Development Programme on “Innovative Teaching Methods on Recent advances in Concrete And Sustainable Technologies (ReCAST)”, organised by Department of Civil Engineering in association with the Teaching Learning Centre, National Institute of Technology Warangal, during 1<sup>st</sup> – 5<sup>th</sup> of July, 2020.
8. Participated in the webinar on “Machine learning methods in Water Resources Engineering”, organised by Alumini Association, Department of Civil engineering, M.V.S.R. Engineering College, Hyderabad, on 15th September, 2020
9. Participated in One week Faculty Development Programme on “Cyber Security” conducted by Department of Information Technology, Sreenidhi Institute of Science and Technology, from 28<sup>th</sup> September to 04<sup>th</sup> October, 2020.
10. Participated and successfully completed the online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 5<sup>th</sup> October to 9<sup>th</sup> October, 2020 organized by All India Council for Technical Education (AICTE).
11. Participated and successfully completed the Webinar on ‘Bamboo - A Sustainable Eco-friendly Material for Buildings’ organized by CSIR-CBRI during December 27-29, 2021.
12. Participated in one-day webinar on “Sustainable Water Resources Management in the Himalayan Region” jointly organized by Department of Civil Engineering, Indian Institute of Technology Jammu, Indian Institute of Technology Indore and National Institute of Technology Hamirpur on 29 th December 2021.
13. Attended a 5-day FDP on “Ecological and Eco-Efficient Construction Practices” organized by Dept. of Civil Engg., SKIT Jaipur during January 17-21, 2022.



14. Attended one day Webinar on “Glacial Lake Outburst Floods (GLOF): An Insight” on January 29, 2022.
15. Attended Online Course on 10-Day Patent Analytics course at Turnip Innovations during 03rd to 12th February, 2022.
16. Attended Five-Day Webinar Series on Advances in Water Resources Engineering (AWRE-2022) at NIT Rourkela during 15th to 19th February 2022.
17. Attended Webinar on A Pathway from Research to Patents at LCIT group of Institutions, Bilaspur (C.G.) during 25th February 2022.
18. Attended One week FDP on Advancements in the Field of Civil Engineering: Theory and Practice at Pravara Rural Engineering College, Loni during 21st to 26th February, 2022.
19. Attended a 3-day certification programme on Entrepreneurial Skills on Geospatial Data Management at CRSGIS & CIIC, B.S.ARCLIST, Chennai during 23rd to 25th February, 2022.
20. Attended Training Program on Distance Learning on "Land Use Land Cover Mapping using Remote Sensing" at National Water Academy, Pune during 15th -17th March 2022.
21. Attended one week Professional Development Program on Materials in Civil Engineering at VITS, Hyderabad during 21st to 26th March 2022.
22. Attended Two day Faculty in-house Training Program by IQAC, CBIT during 23rd & 30th April 2022.
23. Participated in Two day national level seminar (Online) on “Effective Implementation of NEP 2020 in the Realm of Engineering Education” organized by IQAC, Vardhaman College of Engineering, Hyderabad in association with National Assessment and Accreditation Council (NAAC), Bengaluru held on 5<sup>th</sup> and 6<sup>th</sup> August 2022.
24. Organized an AICTE Sponsored One week Training Program on “CRYING NEEDS IN BRIDGE ENGINEERING FOR CAPACITY-BUILDING” organized by the Department of Civil Engineering in association with Prof.V.K.Raina during 22 - 27 August,2022.
25. Attended Online Short-Term Course on “INNOVATIVE CONSTRUCTION TECHNIQUES” conducted by Department of Civil Engineering, SNIST, Hyderabad in association with CCE, NIT Warangal from 14-11-2022 to 18-11-2022.
26. Participated in IP Awareness/Training program under “National Intellectual Property Awareness Mission” on January 05,2023 organized by Intellectual Property Office, India.
27. Participated in five day online faculty development program on “Current research trends in field of civil engineering”, organized by department of civil engineering, OP Jindal university in association with Academic staff college, OP Jindal University during 16<sup>th</sup> to 20<sup>th</sup> January 2023.
28. Participated in five days (online) International faculty development programme on “Future Developments in Civil Engineering”, organised by School of Civil & Environmental Engineering, Anand International College of Engineering, Jaipur held from 06<sup>th</sup> to 10<sup>th</sup> February 2023.
29. Participated in a Six day National Level Online Workshop on “Effective Filing of NAAC AQAR - Streamlining Institutional

Performance" held on 13th to 18th March, 2023 organized by IQAC, Vardhaman College of Engineering, Hyderabad.

30. Participated in the international FDP on "Advances In Machine Learning, Image Processing and Natural Language Processing" organized by School of Engineering & Technology, Dimapur, Nagaland, NAGALAND UNIVERSITY from 16<sup>th</sup> to 21<sup>th</sup> August 2023.
31. Participated in the three-day online faculty development program on Foundations of Program Assessment, during Oct. 17-19, 2023 organised by IQAC in association with Rubrics, the training arm of IQAC, NSRIT.
32. Participated in online training course on "Repair and Rehabilitation of Structures of Hydro Power Projects" organized by C. W. & P. R. S., Pune during 13th- 14th December 2023.
33. Participated in One week online FDP on "Quality Education through OBE" organized by Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad - 500075, Telangana, India., in association with IEEE Education Society Student Branch Chapter CBIT during 22<sup>nd</sup> - 27<sup>th</sup> January 2024.
34. Participated in Expert talk on "Financial Time Series Volatility Forecasting" organized by Department of Computer Science and Engineering, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad- 500 075, Telangana, India., on 27th January, 2024.
35. Participated in One week online FDP on "Emerging Research Trends in Civil Engineering" organized by SRKR ENGINEERING COLLEGE (A), from 24-11-2025 to 28-11-2025.
36. Participated in 2 days National Seminar on "Empowering India's Research Future" organized by Research Heights Foundation, during 09-07-2025 to 10-07-2025.
37. Participated in 2 weeks FDP on "NEP-Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme of UGC, Ministry of Education, Government of India organized by Indian Institute of Technology (Indian School of Mines) Dhanbad during 10-11-2025 to 21-11-2025.

XX

## INSTITUTE OF TECHNOLOGY

Details of Journal Publications/ Conferences (National and International)

### International Journals

1. **Thunuguntla Chaitanya Srikrishna**, and T. D. Gunneswara Rao. "Mix Design Procedure for Alkali-Activated Slag Concrete Using Particle Packing Theory" Journal of Materials in Civil Engineering. 30(6) (2018): 04018113. DOI: 10.1061/(ASCE)MT.1943-5533.0002296.
2. **Thunuguntla Chaitanya Srikrishna**, and T. D. Gunneswara Rao. "Appraisal on Strength Characteristics of Alkali Activated GGBFS with Low Concentrations of Sodium Hydroxide" Iranian Journal of Science and Technology, Transactions of Civil Engineering. DOI: 10.1007/s40996-018-0113-4
3. **Thunuguntla Chaitanya Srikrishna**, and T. D. Gunneswara Rao. "Effect of Mix Design Parameters on Mechanical and Durability Properties of Alkali Activated Slag Concrete." Construction and Building Materials. 193 (2018): 173-188. <https://doi.org/10.1016/j.conbuildmat.2018.10.189>
4. M.S. Midhun, T.D. Gunneswara Rao and **Thunuguntla Chaitanya Srikrishna**. "Mechanical and fracture properties of glass fiber reinforced geopolymers concrete" Advances in Concrete Construction. 6(1) (2018), pp.29-45. <https://doi.org/10.12989/acc.2018.6.1.029>

5. Murali, K, T. Meena, **Thunuguntla Chaitanya Srikrishna** and Peta Purnachandra Sai. "An Experimental Study on Factors Influencing the Compressive Strength of Geopolymer Mortar." International Journal of Civil Engineering and Technology 9(1) (2018), pp.608-616.
6. **Thunuguntla Chaitanya Srikrishna**, and T. D. Gunneswara Rao. "A study on flexural behavior of geopolymer mortar based ferrocement." Materials Today: Proceedings, 43 (2021), pp.1503-1512.
7. Noolu, Venkatesh, Yeswanth Paluri, Rama Vara Prasad Chavali, B. Reddy, and **Chaitanya Srikrishna Thunuguntla**. "Evaluation of a clayey soil stabilized by calcium carbide residue as pavement subgrade." Transportation Infrastructure Geotechnology (2021): 1-14.
8. Shaik, Feroz, **Thunuguntla Chaitanya Srikrishna**, and Lotla Sandeep Reddy. "An Evaluation of Mechanical and Fracture Characteristics of Geopolymer Concrete Incorporating Steel Fibers." IOP Conference Series: Earth and Environmental Science, vol. 1280, no. 1, p. 012003. IOP Publishing, 2023.
9. Reddy, Lotla Sandeep, **Thunuguntla Chaitanya Srikrishna**, and G. V. Praveen. "Investigations on Strength and Durability Properties of Recycle Aggregate and Fly Ash in Concrete." IOP Conference Series: Earth and Environmental Science, vol. 1280, no. 1, p. 012004. IOP Publishing, 2023.
10. **Thunuguntla Chaitanya Srikrishna**, Noolu, V., Sudheer Kumar Reddy, B., Alaneme, G. U., Prasad, R. D., & VishnuPriyan, M. (2025). Investigations on mechanical and stress strain characteristics of geopolymer concrete reinforced with glass fibers. *Scientific Reports*, 15(1), 6335.
11. **Thunuguntla Chaitanya Srikrishna**, Noolu, V., Sudheer Kumar Reddy, B., & Chepuri, A. (2025). Sustainable development of slag cement concrete: a parametric study on cinder aggregate using response surface methodology. *International Journal of Coal Preparation and Utilization*, 1-22. <https://doi.org/10.1080/19392699.2025.2601637>
12. **Thunuguntla Chaitanya Srikrishna**, Uttam Sai, N., Yuvaraja, Y., Akshath, T. V. K., & Koniki, S. (2024, February). An Appraisal on the Performance of Cinder Aggregate in Slag Cement Concrete for Sustainable Construction. In International Conference on Novel Materials and Technologies for Energy and Environment (pp. 171-183). Singapore: Springer Nature Singapore.
13. Koniki, S., Shirisha, L., Udhay Goud, D., **Thunuguntla Chaitanya Srikrishna**, Mallikarjuna Rao, G., & Kasagani, H. (2024, February). Flexural Behavior of Bamboo and PVA Fiber Reinforced Concrete Slab Panels. In International Conference on Novel Materials and Technologies for Energy and Environment (pp. 203-212). Singapore: Springer Nature Singapore.
14. Preethi, V., **Thunuguntla Chaitanya Srikrishna**, Singh, V., Rao, G. M., & Koniki, S. (2025). Predicting Mechanical Properties of Glass Fiber Concrete Using Response Surface Methodology. *Procedia Structural Integrity*, 70, 271-278.

#### International Conferences:

1. **Thunuguntla Chaitanya Srikrishna**, and T. D. Gunneswara Rao. "A Study on Mix Design Parameters of Alkali Activated Slag Using Particle Packing Theory with Low Concentrations of Sodium Hydroxide." Proceedings of the 3rd International conference on Trends and Recent Advances in Civil Engineering, TRACE-2016.
2. **Thunuguntla Chaitanya Srikrishna**, Srikanth Koniki, G. Mallikarjuna Rao, Vishal Singh. "Evaluating Structural Parameters of Alkali Activated Geopolymer Concrete" International Conference on Emerging Technologies for Sustainable Future (ETSF-2025), 26<sup>th</sup> and 27<sup>th</sup> April 2025.
3. Arshiya Anjum, **Thunuguntla Chaitanya Srikrishna**, Vishal Singh, G. Mallikarjuna Rao, Srikanth Koniki. "Investigations on Mechanical Strength and Stress-Strain Characteristics of Glass Fiber Reinforced Hollow Concrete Cylinders using Stone dust as Fine Aggregate" International Conference on Emerging Technologies for Sustainable Future (ETSF-2025), 26<sup>th</sup> and 27<sup>th</sup> April 2025.

