Dr. SAMBANGI ARUNCHAITANYA

E-Mail: arunchaitanya0@gmail.com **Phone No:+91**-8500339597

Career Objective:

To be associated with progressive organization that provides an opportunity to apply my knowledge and skills in order to keep abreast with latest trends and technologies. Seeking a challenging and professionally enriching career in which I should stand as a role model to at least few of my co-ordinates or subordinates.

Experience:

- Working as an Assistant Professor of Civil Engineering & Assistant Controller of Examinations (Autonomous) in SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE from 1st March 2024.
- Worked as an Assistant Professor in GUDLAVALLERU ENGINEERING COLLEGE, Gudlavalleru from 23rd June 2015.
- Worked as an Assistant Professor (part time) SASI INSTITUTE OF TECHNOLOGY & ENGINEERING from March 2014 to May 2015.
- Worked as an Assistant Professor in BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY, Bhimavaram from 10th May 2012 to 28th Feb 2014

Educational Qualifications:

Course	College, Board / University	Discipline	Year of Passing	Percentage/CGPA
Ph.D	JNTUA, Ananthapuramu	Civil Engineering	July 2023	-
M. Tech	D.N.R. College of Engineering & Technology Bhimavaram	Structural Engineering	December 2015	69.78
B.E.	S.R.K.R Engineering College Bhimavaram	Civil Engineering.	July 2012	7.01
Intermediate	Sri Chaitanya Junior College	MPC	March 2008	82.9

	Bhimavaram.			
S.S.C	T.V.N.R.M. National School Kaikalur.	---	March 2006	77

Subjects Thought:

I have ten years experience in teaching field and following are subjects have had thought in my career.

Engineering Mechanics, Fluid Mechanics, Hydraulic & Hydraulic Machines, Structural Analysis-I, Theory of Structures, Air Pollution and its Control, Advanced Concrete Technology, Transportation Engineering, Water Resources Engineering.

Co-curricular activities:

1. Attended a "Workshop on Interpretation of Instrumental Methods WIIM-2023" held from 02nd to 6th January 2023 organised by Department of Chemistry & International Research Centre, Sathyabama Institute of Science and Technology, Chennai.
2. Presented a paper on "Effect of fly ash and Alccofine as a secondary cementitious materials on M40 grade concrete in the Second International Conference on Construction Materials and Structures held from 13th to 17th Decemeber, 2022 jointly organized by NIT Calicut, BITS Pilani, University of Bath, U.K., Monash University, Malaysia, Virginia Tech, U.S.A., Purdue University, U.S.A., University of South Wales, Australia.
3. Attended an International workshop on Construction Materials held from 13th to 17th Decemeber, 2022 jointly organized by NIT Calicut, BITS Pilani, University of Bath, U.K., Monash University, Malaysia, Virginia Tech, U.S.A., Purdue University, U.S.A., University of South Wales, Australia.
4. Attended One week FDP on "Hands on Training with E-Tabs software" from 7th to 11th March, 2022 in Department of Civil Engineering, Seshadri Rao Gudlavalleru Engineering College.
5. Attended the International Conference on "Advances in Construction Materials and Structures" held from 14th to 19th Decemeber, 2021 jointly organized by Trinity

college Dublin, ZJU-UIUC Institute, China, Rilem, Virginia Tech, USA, STISTTVM Kerala.

6. Attended an International webinar on Construction Materials held from 14th to 17th Decemeber, 2021 jointly organized by Trinity college Dublin, ZJU-UIUC Institute, China, Rilem, Virginia Tech, USA, STISTTVM Kerala.
7. Attended One week FDP on "Recent advancesments in Geotechnical and Transportation Engineering" from 21st to 25th June 2021 in Department of Civil Engineering, Gudlavalleru Engineering College.
8. Organized One week FDP on "Innovations in Civil Engineering" from 22nd to 27th March 2021 in Department of Civil Engineering, Gudlavalleru Engineering College.
9. Attended One week FDP on "Innovations in Civil Engineering" from 22nd to 27th March 2021 in Department of Civil Engineering, Gudlavalleru Engineering College.
10. Attended One Week Faculty Development Programme on "Recent & Emerging Trends in Civil Engineering" conducted from 28th to 30th May, 2020 by Andhra Loyola Institute of Engineering & Technology, Vijayawada.
11. Attended One Week FDP on "Civil Engineering Research. A step Forward" conducted from 25th to 30th May, 2020 by Gudlavalleru Engineering College, Gudlavalleru.
12. Attended One Week FDP on "Recent Avenues in Civil Engineering" conducted from 11th to 16th May, 2020 by Narsimha Reddy Engineering Collge, Hyderabad.
13. Attended One Week FDP on "Effects of Soil Structure on Structures against Static and Dynamic loads" conducted from 03rd to 08th Feb, 2020 by Gudlavalleru Engineering College, Gudlavalleru.
14. Attended One Week FDP on "Design of structures.A practical approach" conducted from 26th to 30th Nov, 2018 by Gudlavalleru Engineering College, Gudlavalleru.
15. Attended One Week FDP on "Advancements in Construction Materials" conducted from 25th to 29th June, 2018 by Gudlavalleru Engineering College, Gudlavalleru.
16. Attended One week Refresher Course on "Finite Element Analysis" conducted from 19th to 24th June, 2017 by Gudlavalleru Engineering College, Gudlavalleru.
17. Participated in a workshop "Two Week ISTE STTP on Introduction to Structural Engineering" conducted by NMEICT, IIT Kharagpur in Gudlavalleru Engineering College, Gudlavalleru, which is conducted during 4th to 9th January 2016.

18. Participated in All India Seminar on "RECENT DEVELOPMENTS IN RETROFITTING, REPAIRS AND REHABILITATION OF STRUCTURES" conducted by The Institute of Engineers (India) in Gudlavalleru Engineering College, Gudlavalleru which held during 11-12th July, 2015.
19. Organized a national level technical symposium SUPERNOVA-11 at S.R.K.R ENGINEERING COLLEGE.

Papers Published:

1. Arunchaitanya S, Nagarjuna K, Sai Charan S. Reshma S, Abhilash N: **Effect of fly ash and alccofine as cementitious materials on M40 grade concrete.** *Materials Today Proceedings.* https://doi.org/10.1016/j.matpr.2023.03.192 -**Scopus Indexed.**
2. Srinivasa Rao K, Suseela K, Mary Devika B, Arunchaitanya S: **Investigation of uniaxial tensile and compressive behavior of SFRC.** *Asian Journal of Civil Engineering. 2022*- https://doi.org/10.1007/s42107-022-00536-7 -**Scopus Indexed**
3. Subhashish Dey, G.T.N.Veerendra, Arunchaitanya S: **The removal of iron from synthetic water by the applications of plants leaf biosorbents.** Cleaner Engineering and Technology. Elsevier Publications. Vol.9, 2022, 100403- **Scopus Indexed.** https://doi.org/10.1016/j.clet.2022.100530
4. Arunchaitanya S. Arunakanthi E**: Role of copper slag on improvement of strength, quality and durability of high-strength self-compacting concrete: an industrial waste.** Asian Journal of Civil Engineering. Springer Nature. Vol.23(6), 2022, pp-961-971.- **Scopus Indexed.** https://doi.org/10.1007/s42107-022-00466-4
5. Subhashish Dey, Pallavi U, Arunchaitanya S, Nekkanti H, G.T.N.Veerendra. **Recycling of solid waste biosorbents for removal of nitrates from contaminated water.** Cleaner and Circular Bioeconomy. Elsevier Publications. 100014-**Scopus Indexed**. https://doi.org/10.1016/j.clcb.2022.100014
6. Arunchaitanya S. Arunakanthi E**: Behaviour of Sustainable High Strength Self-Compacting Concrete With Electrically Precipitated Fly Ash(EPFA) – A Thermal waste.** Materials Today Proceedings. Elsevier Publications. **Scopus Indexed.** https://doi.org/10.1016/j.matpr.2022.03.452
7. Arunchaitanya S. Arunakanthi E: **Industrial Copper Waste As A Sustainable Material In High Strength SCC.** Cleaner Engineering and Technology. Elsevier

Publications. Vol.6, 2022, 100403- **Scopus Indexed.** https://doi.org/10.1016/j.clet.2022.100403

8. S. Arunchaitanya, E. Arunakanthi: **Fresh And Mechanical Properties of SCC With Fly Ash And Copper Slag As Mineral Admixtures.** Materials Today Proceedings. Elsevier Publications. Vol.45. Feb, 2021. pp.6687-6693.- **Scopus Indexed.** https://doi.org/10.1016/j.matpr.2020.12.144
9. S. Arunchaitanya, E. Arunakanthi: **Usage of Mineral Admixtures In Self Compacting Concrete- A Review.** International Journal of Innovative Technology and Exploring Engineering. Vol.8. Issue. 3. Jan, 2019. pp.58-62.- **Scopus Indexed.** https://www.ijitee.org/wp-content/uploads/papers/v8i3/C2576018319.pdf
10. M. Veerraju, S. Arunchaitanya: **Experimental Study on High Strength Self Compaction Concrete By Using Fly Ash As A Partial Replacement of Cement And Copper Slag With Fine Aggregate.** International Journal of Innovative Technology and Exploring Engineering. Vol.7. Issue. 8. 2018. pp.13-19.- **Scopus Indexed.** https://www.ijitee.org/wp-content/uploads/papers/v7i8/H2505057818.pdf
11. M. Mosheraju, S. Arunchaitanya: **Experimental Investigation of Copper Slag As Partially Replacement of Fine Aggregate And Fly Ash As Cement In Concrete.** International Journal of Science and Research. Vol.6. Issue. 5. 2017. pp.1741-1745. https://www.ijsr.net/archive/v6i5/ART20173474.pdf
12. S.L.Ganesh, S. Arunchaitanya: **An Experimental Study on Hardened And Thermal Properties of Fly Ash Bricks Using Polystyrene Beads As Partial Replacement of Sand.** International Journal of Innovative Research in Science, Engineering and Technology. Vol.5. Issue. 6. 2016. pp.9778-9785. http://www.ijirset.com/upload/2016/june/37_Design.pdf
13. S. Arunchaitanya, J. Keerthana, M.K.M.V. Ratnam: **A Study on Mechanical Properties of Self Compacting Concrete By Partially Replacing Portland Slag Cement With Fly Ash.** International Journal of Innovative Research in Technology. Vol.2. Issue. 4. 2015. pp.11-14. https://ijirt.org/master/publishedpaper/IJIRT142570_PAPER.pdf

Achievements:

- Reviewed an article in **Materials Today Proceedings-Elsevier Publishers** in April 2024
- Reviewed an article in Review for **Case Studies in Construction Materials-Elsevier Publishers** in May 2023
- Reviewed an article in **Transactions of the Indian National Academy of Engineering - Springer Nature** in April 2023
- Reviewed an article in **Materials Today Proceedings-Elsevier Publishers** in January 2023
- Reviewed an article in **Materials Today Proceedings-Elsevier Publishers** in January 2022
- Reviewed an article in **Materials and Structures-Springer Nature** in June 2021
- Reviewed an article in **Journal of King Saud University:Science-Elsevier Publishers** in June 2021
- Reviewed an article in **Journal of King Saud University:Science-Elsevier Publishers** in April 2021
- Reviewed an article in **Sustainable Materials and Technologies-Elsevier Publishers** in April 2020

Project Work:

Name of the project (Ph.D):

EXPERIMENTAL INVESTIGATION ON STRENGTH AND DURABILITY PROPERTIES OF HIGH STRENGTH SELF COMPACTION CONCRETE USING FLY ASH AND COPPER SLAG

Description: This helps in usage of mineral admixtures in self- compacting concrete to attain high strengths concrete by partially replacement of cement and fine aggregate.

Professional Bodies:

- Member in Institute of Engineers(India) – AMIE, Vijayawada Chapter, Andhra Pradesh, India.
- Lifetime member in Indian Concrete Institute (ICI)

Research Profiles:

- https://orcid.org/0000-0002-2342-3933
- https://www.scopus.com/authid/detail.uri?authorId=57204957060
- https://scholar.google.com/citations?hl=en&user=q_wvIN0AAAAJ

Personal Profile:

Name	:	Dr. SAMBANGI ARUNCHAITANYA
Father's name	:	Sri. Sambangi Sriramamurthy
Date of Birth	:	26th December 1990.
Gender	:	Male.
Languages Known	:	English, Telugu.
Nationality	:	Indian.
Permanent address	:	16-106, near vinayaka temple, Velempeta colony, kaikalur.
Contact Number	:	+91 8500339597, 8555010609

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and my belief.

Place: Gudlavalleru

Date: 06/05/2024

(S.Arunchaitanya)