

RESUME

PARASA LAKSHMI NAGA SAROJA, M.Tech., (Structural Engineering), (Ph.D.)

Email: lakshminagasaroja.parasa@gmail.com

nagasaroja.rs@andhrauniversity.edu.in

Mobile No. 7032286535.



OBJECTIVE:

A confident and motivated person with sound technical skills seeking a challenging position as a professional with a degree of innovativeness and problem solving capability.

EXPERIENCE: 7.5years

Assistant Professor in the Department of Civil Engineering, **Sri Vasavi Institute of Engineering and Technology**, Nandamuru, from October 2015 to May 2018.

Guest faculty in the Department of Civil Engineering, **AU College of Engineering for Women**, Visakhapatnam, from July 2018 to April 2019.

Guest faculty in the Department of Civil Engineering, **Andhra University College of Engineering (A)**, Andhra University, Visakhapatnam, from July 2019 to March 2020.

Working as **Assistant Professor** in the Department of Civil Engineering, **Swarnandhra College of Engineering and Technology**, Narsapur, from 04/04/2023 to 03/10/2023.

Working as **Assistant Professor** in the Department of Civil Engineering, **Seshadri Rao Gudlavalleru Engineering College**, Gudlavalleru, from 04/10/2023 tom till date.

ACADEMICS:

- Pursuing Doctor of Philosophy (**Ph.D. – part time**) in Civil Engineering, **Andhra University College of Engineering (A)**, **Andhra University**, Visakhapatnam from 17/12/2021 to till date. Submitted **Ph.D Thesis** on 02/08/2025.
- Pursued Doctor of Philosophy (**Ph.D. – full time**) in Civil Engineering, **Andhra University College of Engineering (A)**, **Andhra University**, Visakhapatnam from 04/04/2018 to 16/12/2021.

- Acquired Master of Technology (**M.Tech**) degree in Civil Engineering with Structural Engineering specialization with **75.83%** as an aggregate from **Usha Rama College of Engineering And Technology**, Telaprolu, affiliated to **JNTUK, Kakinada**, in January 2016.
- Acquired Bachelor of Technology (**B.Tech**) degree with **77.75%** as an aggregate from **Sri Vasavi Institute of Engineering And Technology**, Nandamuru, affiliated to **JNTUK, Kakinada**, in April 2013.
- Intermediate from **Board of Intermediate Education** with **79.4%** from **Sri Padmavathi Mahila Hindu Junior Kalasala**, Machilipatnam in March 2009.
- S.S.C. from **Board of Secondary Education** with **79.8%** from **Sri Sai Baba School**, Pedana, in March 2007.

PUBLICATIONS:

- 1) P.L.N.Saroja, V.Srinivas Rao (2015) “Comparative study of seismic analysis of existing elevated reinforced concrete Intze water tank supported on frame staging”, IJCRCE, Volume 1, Issue 2, Page 10-21.
- 2) P.L.N.Saroja, V.Srinivas Rao (2015) “Comparative study of analysis of elevated water tank due to Earthquake from different zones of India”, IJCRCE, Volume 1, Issue 2, Page 22-29.
- 3) Parasa Lakshmi Naga Saroja, Dr. B.Vijaya Saradhi, S.K. Abdul Mannan and D. Srinivasa Rao, “A comparative study on strength of concrete by partial replacement of cement with FA and GGBS using various curing methods”, IJMTE, Volume 8, Issue 12, December 2018, Page 2379-2384.
- 4) Parasa Lakshmi Naga Saroja, Dr. B. Vijaya Saradhi, and D. Srinivasa Rao, “Compressive strength studies on concrete by partial replacement of cement by fly ash and ground granulated blast furnace slag using various methods of curing”, IJERT, Volume 8, Issue 11, November 2019, Page 99-101.
- 5) Parasa Lakshmi Naga Saroja, “An experimental study on compressive strength parameters of Lime Pozzolana Concrete”, IJMTE, Volume XIV, Issue IV, April 2024, Page 49-52.
- 6) P.L.N.Saroja and Dr. Kusuma Sundara Kumar “Assessment of sustainability of proposed east bypass road of Vijayawada using rapid impact assessment matrix” SASI-ITE, May 2024, IEEE, <https://ieeexplore.ieee.org/document/10607140>

- 7) Parasa Lakshmi Naga Saroja, Dr. B. Vijaya Saradhi “A Statistical Comparison of the Mechanical Properties of Lime Pozzolana Concrete Activated with Sodium Silicate Gel” SCOPE, Volume 14, December 2024, ISSN: 11775653.
- 8) Parasa Lakshmi Naga Saroja, Dr. B. Vijaya Saradhi “A Comparative Assessment of Mechanical Properties of Lime Pozzolana Concrete Activated by Sodium Silicate Gel” SEEJPH, Volume XXVI, January 2025, ISSN: 2197-5248, 2952-2958.
<https://doi.org/10.70135/seejph.vi.5063>
- 9) Parasa Lakshmi Naga Saroja, Prof. B. Vijaya Saradhi “Optimized Strength of Lime Pozzolana Concrete Through Curing Methods” Patent ID: 202541032744A, 02/05/2025 No. of pages:26, No. of claims: 4

PROJECT DETAILS:

1) **B.Tech Mini Project**

Project Name : Quality control in Consolidated Construction Consortium (CCCL), Hyderabad.

Role : Team Leader.

Client : Bayer Crop Science, Germany.

Contractor : Consolidated Construction Consortium.

2) **B.Tech Main Project:** The thesis work was done on “Design of a Reinforced Flexible Pavement Over Clay Subgrade by SBC Method of Approach”.

3) **M.Tech Main Project:** The thesis work was done on “Comparative Study of Seismic Analysis of Existing Elevated Reinforced Concrete Intze Water Tank Supported on Frame Staging”.

4) **Research work:** The thesis work was done on “ Strength And Durability Studies of Lime Pozzolana Concrete Activated With Sodium Silicate Gel Under Dual Curing Regimes”.

5) **Project work guided:**

- Shilpa Saraswati and team (2015-16) “An experimental study on High Volume Fly Ash Concrete by Replacing Cement with Fly Ash And Rice Husk Ash“, B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK – Kakinada.
- Ch. Sai and team (2015-16) “Planning, Designing and Estimation of Low Cost Hospital“, B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK- Kakinada.

- A. Madhavi and team (2016) “An experimental Study on Compressive Strength of Concrete by Replacing Fine Aggregates With Brick Bats Powder“, B.Tech Mini Project submitted to Department of Civil Engineering, SVIET-Nandamuru.
- N. Ravi Teja and team (2016-17)“Analysis and Design of Shearwall in Multi-Storied Building“, - B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK – Kakinada.
- K.Sunil kumar and team (2016-17) “An experimental study on Concrete by Replacing Fine Aggregates With Brick Bats Powder“, B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK–Kakinada.
- Guided in making of models like Movable Open Type Bridge and Manufacturing process of Cement (2016).
- P.N.V.K.Vinay Babu and team (2017-18) “Design And Estimation of Rigid Pavement by Partial Replacement of Fine Aggregate With Red Soil“, B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK–Kakinada.
- A.Madhavi and team (2017-18) “ A Comparative Study of G+3 Hotel by Using Glass Fiber Reinforced Gypsum Panels in Substitution Of Reinforced Cement Concrete Members“, B.Tech Project submitted to Department of Civil Engineering, SVIET-Nandamuru, Affiliated to JNTUK–Kakinada.
- A.Sai Prasanna and team (2023-24) “An Experimental Study on Compressive Strength Parameters of Lime Pozzolana Concrete”, B.Tech Project submitted to Department of Civil Engineering, Seshadri Rao Gudlavalleru Engineering College(A), Gudlavalleru, permanently affiliated to JNTUK-Kakinada.
- D.Bhanu Prasad and team (2024-25)) “An Experimental Study on Mechanical Characteristics of a Lime Pozzolana Concrete”, B.Tech Project submitted to Department of Civil Engineering, Seshadri Rao Gudlavalleru Engineering College(A), Gudlavalleru, permanently affiliated to JNTUK-Kakinada.

CONSULTANCY PROVIDED:

- Conduction of water quality tests

AREAS OF INTEREST:

- Willingly teach a subject with in the knowledge of my Specialisation.
- In tough situations any subject can be dealt to run the system smoothly.

SUBJECTS DEALLED:

Specialisation

- Concrete Technology
- Structural Analysis -I
- Structural Analysis –II
- Engineering Drawing
- Building Planning and Drawing
- Basic Civil and Mechanical Engineering
- Concrete Technology, Structural Engineering, Engineering Mechanics and Building Practices, Computer Aided Engineering Drawing and Strength of Materials laboratories.

Non Specialisation

- Fluid Mechanics
- Hydraulics and Hydraulic Machinery
- Water Resources Engineering -I
- Water Resources Engineering –II
- Environmental Engineering
- Surveying
- Environmental Engineering, Fluid Mechanics and Hydraulic Machinery, Engineering Geology, Surveying laboratories.

STUDENT EVALUATION:

- For theory subjects students were evaluated based on Mid-term examinations specified in course curriculum and also evaluated from assignments conducted by the university.
- In practical subjects students were evaluated based on their day to day performance and Viva-Voce for each experiment.

ADMINISTRATIVE EXPERIENCE:

- Departmental Examination Section Coordinator (October 2015 – June 2016).
- Departmental Association Coordinator (December 2017 – April 2018).
- Class teacher and Mentor for II and III-year B.Tech students (July 2016 – May 2018).
- Knowledge in the updation of ISO files
- Environmental Engineering Laboratory Incharge (July 2016 – May 2018).
- Departmental Discipline Committee Member (October 2015 – May 2018).

- Class teacher for III-year B.Tech students (October 2023 - December 2024).
- Class teacher for IV-year B.Tech students (January 2024 – April 2024).
- Departmental feedback coordinator (July 2025-till date).

ACHIEVEMENTS:

- Ratified as **Assistant Professor** while working in the Department of Civil Engineering, Sri Vasavi Institute of Engineering And Technology, Nandamuru from JNTUK, Kakinada in September 2016.
- Received a certificate on **Certificate of Excellence in Reviewing** from Advances in Research on 31st October 2024, Certificate No. PRAIR126248PAR.
- Received a certificate for best oral presentation entitled **The Role of Chemistry in Building Materials** in the International Conference on Recent Advances in Chemical, Pharmaceutical, and Life Processes organized by Andhra University, Visakhapatnam in 15th July, 2019.
- Received **Research Assistantship** from TEQIP – III, AUCE(A), Visakhapatnam with a duration of one year from July 2019 to May 2020.
- Participated in the National Workshop on **Exploring the World through GIS** conducted by department of Geo-Engineering, Andhra University College of Engineering(A), Visakhapatnam and Indian Society of Geomatics-Visakhapatnam Chapter during 14-15 November 2018.
- Participated in the Workshop on **Good Construction Practices** organized at Department of Civil Engineering, Andhra University College of Engineering(A), Visakhapatnam during October 1-2, 2018.
- Participated in Training programme on **Earthquake Risk Mitigation and Managemet** organised by National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, New Delhi in collaboration with Department of Civil Engineering, Andhra University College of Engineering(A), Andhra University, Visakhapatnam during October 8-12, 2018.
- Participated and presented a paper entitled **A comparative study on strength of concrete by partial replacement of cement with FA and GGBS using various curing methods** in the International Conference on Managemnet, Sciences, Engineeringand Applications ICMSEA – 2018 organized by Baba Institute of Technology and Sciences, Visakhapatnam during 20th – 22nd December, 2018.

WORKSHOPS/WEBINARS/CONFERENCES/FDP ATTENDED:

- Participated in the Faculty Development Programme on **Advanced Vibrational Analysis and its Application in Industry** organised during 8-12 July, 2019 at the Department of Civil Engineering, Andhra University, Visakhapatnam.
- Participated in the Faculty Development Programme on **Author's Conclave** organised by the Department of Civil Engineering, SRM Institute of Science and Technology, Ramapuram, Chennai-89 from 11-17 August, 2020.
- Participated in a Webinar on **Case Studies Related to Structures** by Prof.D.S.R.Murthy, organized by ICI Vizag Centre and UltraTech Cement Limited on 7 September, 2020.
- Participated in a Webinar on **Sustainable Construction For Disaster Mitigation** organized by the ISET Guntur Chapter in association with IGS-VRSEC Guntur Chapter from 23-24 March, 2023.
- Participated in self sponsored one week online Short-Term Course on **Sustainable and Durable Green Concrete-Future and Applications** organised by the Department of Civil Engineering, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar from 18-22 December 2023.
- Participated in one week of Faculty Development Program on **Emerging Research Trends in Civil Engineering** jointly organized by VITB, Bhimavaram andSSIPMT, Raipur, Chattisgarh from 6-11 May 2024.
- Participated in online five day Faculty Development Program on **Building Resilient and Infrastructure** organized by the Department of Civil Engineering, VVIT(A) from 24-28 June 2024.
- Participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Disaster Risk Reduction through Sustainable Infrastructure** at Ramachandra College of Engineering from 16-21 December 2024.
- Participated in online five days Faculty Development Program on **Potential Research Trends in Civil Engineering Domains**, organized by Department of Civil Engineering, during 24-28 March 2025.
- Participated in 5 Day Online Faculty Development Program on **Emerging Trends in Civil Engineering** held on 7-11 July 2025, organized by the Department of Civil Engineering, KLEF, in association with the KLEF-Academic Staff College, Green Fields, Vaddeswaram.

PERSONAL DETAILS:

Name : Parasa Lakshmi Naga Saroja
Father Name : (Late)Ganeswara Rao
Mother Name : Rajitha Kumari
Husband Name : Athota Dharma Teja
Date of Birth : 5th August, 1992
Languages speak and write : English, Telugu and Hindi
Permanent Address : D.No. 3-1043, Balakrishna Nagar, Gudivada,
Krishna District, Andhra Pradesh, 521 301.

REFERENCE:

Dr. B. Vijaya Saradhi, ME (Environmental Engineering), ME (Structural Engineering), Ph.D.,
Professor,
Department of Civil Engineering, Andhra University College of Engineering (A),
Andhra University, Visakhapatnam – 530 003
Mobile: 9703073171, email: bvsaradhi70@gmail.com

DECLARATION:

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

Place:

Date:

(Parasa. Lakshmi Naga Saroja)