

Dr. ESWAR SALA

D.No 52-13-18, LIG-II-91, AVS Colony, APHB, Palakollu, West Godavari District, Andhra Pradesh, India.

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CURRICULAM VITAE

EXPERIENCE

◇ 17/08/2013 – 15/12/2014

ASSISTANT PROFESSOR, SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN(SVECW), BHIMAVARAM, ANDHRA PRADESH, INDIA

Courses Taught

- Transportation Engineering-I
- Transportation Engineering- II
- Geotechnical Engineering
- Concrete Technology
- Transportation Engineering Laboratory
- Concrete Technology Laboratory
- Geotechnical Engineering Laboratory

◇ 24/12/2014 – 22/12/2019

TEACHING ASSISTANT, NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL(NITW), TELANGANA, INDIA

Courses Taught

- Traffic Measurements Laboratory
- Transportation Engineering Software Laboratory

◇ 29/01/2020 – Till date

ASSISTANT PROFESSOR, SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE (GEC), GUDLAVALLERU. ANDHRA PRADESH, INDIA

Courses Taught

- Traffic Engineering
- Survey Field Work
- Highway Engineering
- Transportation Engineering Lab
- Green Buildings
- Water and Waste Water Engineering Lab

EDUCATION

◇ 2005

BOARD OF SECONDARY EDUCATION, 88.67%

Montessory High School, Bhimavaram

◇ 2005-07

BOARD OF INTERMEDIATE EDUCATION, 92.00%

Sri Chaitanya Junior Kalasala,Bhimavaram

◇ 2007-11

B.Tech., (CIVIL ENGINEERING), 8.21 CGPA

S R K R Engineering College,Bhimavaram

Project Title:*Stabilization of gravel soil with cement for sub-grade*

◇ 2011-13

M.Tech., (TRANSPORTATION ENGINEERING), 7.84 CGPA

National Institute of Technology Warangal, Telangana

Dissertation Title:*Air travel demand estimation modelling*

◇ 19/12/2014 –22/11/2019

PhD (TRANSPORTATION ENGINEERING)

National Institute of Technology Warangal, Telangana

Thesis Title: *Pedestrian behavior modeling on level changing facilities inside intercity railway stations*

ORCID-ID:<https://orcid.org/0000-0003-3880-244X>

SCOPUS-ID: 57194455819

VIDWAN-ID: 198079, <https://vidwan.inflibnet.ac.in/profile/198079>

GOOGLE

SCHOLAR:<https://scholar.google.com/citations?user=gUJIAVQAAAAJ&hl=en>

PUBLON:<https://publons.com/researcher/5039582/eswar-sala/>

SOFTWARE SKILLS

- SPSS
- MS Office
- SIDRA
- PTV-VISSIM
- PTV-VISWALK

PUBLICATIONS

I. JOURNALS

1. Patra, M.,**Sala, E.** and Ravishankar K. V. R. (2017)“Evaluation of Pedestrian flow characteristics across different facilities inside a railway station.”*Transportation Research Procedia*. 25(C): 4763- 4770. DOI: 10.1016/j.trpro.2017.05.488[**SCOPUS**]
2. **Sala, E.**, Patra, M. and Shankar, K.V. R. R. (2017)“Analysis and Comparison of Pedestrian Flow Characteristics Variation on Passageway, Stairway and Escalator in Intercity Railway Station.”*International Journal of Transportation Engineering and Traffic System*. 3(2):8- 19[**PEER REVIEWED**]

3. **Sala, E.** and Shankar, K.V. R. R. (2019)“Effect of Passageway Width on Pedestrian Flow Characteristics in Intercity Railway Stations.”*Transport and Telecommunications Journal*. 20(4):357-364. DOI: <https://doi.org/10.2478/ttj-2019-0029>[SCOPUS]
4. **Eswar, S.**and Ravishankar, K.V. R. (2019)“Pedestrian Walking Speed Variation with Width of Stairway in Intercity Railway Stations.”*Trends in Transport Engineering and Applications* 6(3):9-19[PEER REVIEWED]
5. Sushmitha, R.,**Eswar, S.** and Ravishankar, K. V. R. (2020)“Effect of Encroaching Vehicles on Saturation Flow at Signalized Intersections in Mixed Traffic Conditions.” *Institute of Engineers (India): Series A*. 101(2):273-279. DOI: <https://doi.org/10.1007/s40030-019-00425-4>[SCOPUS]
6. **Eswar, S.**, Vanitha, K., Babu, K. S., Mahindar. K., Ganesh, J. and Sanjay. P. (2020) “Study on Concrete by partial replacement of cement with quarry dust and stabilization of BC Soil by using RHA and Fly Ash for CC Pavement.” *International Journal of All Research Education and Scientific Methods*. 8(9):494-502. [PEER REVIEWED]
7. **Eswar, S.**, Manasa, A., Sivani, A., Sravani. K., Mounika. B. and Kavya. G. (2020) “Experimental Study on Partial Replacement of Bitumen with Molasses and Polyethylene.” *International Journal of All Research Education and Scientific Methods*. 8(10):578-581. [PEER REVIEWED]
8. **Eswar, S.**and Ravishankar, K.V. R. (2020) “Modelling Pedestrian Choice between Stairway and Escalator in Ascendingan Elevated Passageway Inside Intercity Railway Station.”*Suranaree Journal of Science and Technology*, 28(6).[SCOPUS]
9. Naidu, V. M., Sarada., Srikanth. S. and**Eswar, S.**(2020) “Pedestrian Walking Speed Variation with Gradient of Road under Mixed Traffic Flow Conditions.” *Suranaree Journal of Science and Technology*, 28(5).[SCOPUS]
10. Srikanth. S. and **Eswar, S.**, Ballari, S, O., Modinpuroju, A. and Krishna, C, B.(2021) “Effect of Pedestrian Crossing Behavior at Mid-Block Section of Urban Roads on Traffic Flow Characteristics.”*Vidyabharati International Interdisciplinary Research Journal, Special Issue on Engineering Technologies and Management*, 7:996-1004.[WEB OF SCIENCE]
11. Srikanth. S. and **Eswar, S.**, Ballari, S, O., Modinpuroju, A. and Krishna, C, B.(2021) “Estimation of Equivalency Units of Different Vehicle type Under Mixed Traffic Conditions.”*Vidyabharati International Interdisciplinary Research Journal, Special Issue on Engineering Technologies and Management*, 7:1011-1016 [WEB OF SCIENCE]
12. Srikanth. S. and **Eswar, S.**, Ballari, S, O., Modinpuroju, A. and Krishna, C, B.(2021) “Vehicle Arrival, Time Headway and Speed Distributions under Mixed Traffic Conditions on Multilane Highways.”*Vidyabharati International Interdisciplinary ResearchJournal, Special Issue on Engineering Technologies and Management*, 8:1100-1107[WEB OF SCIENCE]

II. CONFERENCES

1. Patra, M., **Sala, E.** and Ravishankar K. V. R. (2016)“Evaluation of pedestrian flow characteristics across different facilities inside a railway station.” 14th World Conference on Transport Research - WCTR 2016. 10 - 15 July 2016, Shanghai, China.
2. **Sala, E.** and Ravishankar, K. V. R (2016)“Capacity Analysis of Escalators: A Case Study of Vijayawada Railway Station.” 12th Transportation Planning and Implementation Methodologies for Developing Countries – TPMDC 2016. 30- 36. 19 – 21 December 2016, Mumbai, India.
3. Lalam, G., **Eswar, S.**, Yugendar, P. and Ravishankar, K.V.R. (2018)“Toolkit to Evaluate the Mid-Blocks in Perception to Pedestrian Crossings Behaviour.” 5th Colloquium on Transportation Systems Engineering and Management (CTSEM), 17- 19 May 2018, Warangal, India.
4. Anand, P., Yugendar, P., **Eswar, S.** and Ravishankar, K.V.R. (2018)“Crowd Behaviour Analysis and Tracking Using Tracker.” 5th Colloquium on Transportation Systems Engineering and Management (CTSEM), 17- 19 May 2018, Warangal, India.
5. **Eswar, S.**, Govinda, L. and Ravishankar, K. V. R. (2019)“Calibration of Stairways Connecting Foot over Bridge in Intercity Railway Station using Micro Simulation-VISWALK.” Innovative Trends in Civil Engineering for Sustainable Development - ITCSD 2019. 13 – 15 September 2019, Warangal, India.
6. Govinda, L., Abhigna. D., **Eswar, S.** and Ravishankar, K. V. R. (2019)“Effect of Pedestrian Characteristics at Uncontrolled Intersection Performance using Micro Simulation.” Innovative Trends in Civil Engineering for Sustainable Development - ITCSD 2019. 13 – 15 September 2019, Warangal, India.
7. Sushmitha, R.,**Eswar, S.** and Ravishankar, K. V. R. (2019)“Development of passenger car units for estimating saturation flow at signalized intersections in mixed traffic conditions.” Innovative Trends in Civil Engineering for Sustainable Development - ITCSD 2019. 13 – 15 September 2019, Warangal, India.
8. **Eswar, S.**, Govinda, L. and Ravishankar, K. V. R. (2019) “Simulation of Pedestrian Flow Characteristics on Stairway in Intercity Railway Station using VISWALK.” Second ASCE Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies - CRSIDE 2020. 02 – 04 March 2020, Kolkata, India.

GIAN COURSES

1. "*Low- Volume Roads Engineering Best Practices*", 26-29 September 2016, National Institute of Technology Warangal (NITW), India.
2. "*Implementation of Advanced Transportation Management Systems(ATMS)*", 04-08 September 2017, National Institute of Technology Warangal (NITW), India.
3. "*Decision Tools for Selection and Evaluation of Transportation Projects*", 22-26 January 2018, National Institute of Technology Warangal (NITW), India.

4. “*Transportation and the Environment*”, 06-10 August 2018, National Institute of Technology Warangal (NITW), India.
5. “*Sustainable Mobility and Transportation: Innovative Approaches and Solutions*”, 10-14 December 2018, National Institute of Technology Warangal (NITW), India.
6. “*Transportation in High Tech, Automated, Connected Vehicle World*”, 16-20 September 2019, National Institute of Technology Warangal (NITW), India.

FACULTY DEVELOPMENT PROGRAMMS

1. “*Effective Teaching and Learning of Flexible Pavement Design*”, 04-08 September 2017, National Institute of Technology Warangal (NITW), Telangana, India.
2. “*Effects of Soil-Structure Interaction on Structures against Static and Dynamic Loads*”, 03-08 February 2020, Gudlavalleru Engineering College (GEC), Andhra Pradesh, India.
3. “*IPR Awareness and Patent Prosecution*”, 06-10 May 2020, CMR Engineering College, Hyderabad, Telangana, India.
4. “*Civil Engineering Research - A Step Forward*”, 25-30 May 2020, Gudlavalleru Engineering College, Andhra Pradesh, India.
5. “*Pavement Design, Construction and Rehabilitation*”, 25-27 June 2020, VignanaBharathi Institute of Technology, Telangana, India.
6. “*Multi Disciplinary Approaches in Civil Engineering*”, 29 June – 03 July 2020, NallaNarasimha Reddy Education Society's Group of Institutions-Integrated Campus, India.
7. “*Emerging trends in Infrastructure Projects (ETIP-2020)*”, 20-24 July 2020, Kakatiya Institute of Technology & Science Warangal, Telangana, India.
8. “*Recent Advancements in Special Concretes*”, 26-31 October 2020, Gudlavalleru Engineering College (GEC), Andhra Pradesh, India.
9. “*Geospatial Inputs for Enabling Master Plan Formulation*”, 27-31 July 2020, Indian Institute of Remote Sensing (IIRS), IIRS outreach network centre, Gudlavalleru Engineering College, India.
10. “*Introduction to Multimodal Urban Transportation Systems (MUTS)*”, Sep-Dec 2020 (12 Week Course), NPTEL-AICTE FDP.
11. “*Scholarly Communication*”, 25 February, Research & Development Cell, Gudlavalleru Engineering College, India.
12. “*Recent Trends and Advances of Thrust Areas of Research in Civil Engineering*”, 01-05 March 2021, School of Engineering, REVA University, Bengaluru, Karnataka, India.
13. “*Innovations in Civil Engineering*”, 22-27 March 2021, Gudlavalleru Engineering College (GEC), Andhra Pradesh, India.

14. “Recent Advancements in Geotechnical and Transportation Engineering”, 21-25 June 2021, Gudlavalleru Engineering College (GEC), Andhra Pradesh, India.
15. “Intellectual Property Rights”, 26 March 2022, Seshadri Rao Gudlavalleru Engineering College (SRGEC), Andhra Pradesh, India.
16. “Insights of NEP 2020 and Strategies for its Implementation”, 12 June 2022, Seshadri Rao Gudlavalleru Engineering College (SRGEC), Andhra Pradesh, India.

NPTEL COURSES

1. “Introduction to Multimodal Urban Transportation Systems (MUTS)”, Sep-Dec 2020 (12 Week Course), NPTEL Online Certification Course.
2. “Geometric Design of Highways”, Jul-Oct 2022 (12 Week Course), NPTEL Online Certification course - Ongoing

WORKSHOPS

1. “Transportation Young researchers Symposium (TYReS-2015)”, 10-15 May 2015, National Institute of Technology Warangal, Telangana, India.
2. “Emerging Trends in Transportation Geotechnics (ETTG-2019)”, 23-27 September 2019, Vaagdevi College of Engineering, Warangal, Telangana, India.
3. “Importance of Simulation in Traffic Engineering”, 14-15 February 2020, Aditya College of Engineering, Surampalem, Andhra Pradesh, India.

WEBINARS

1. “Successful Steps Towards High Quality Scientific Publications”, 18 May 2020, Chalapathi Institute of Technology, Mothadaka, Guntur.
2. “Sustainable Perspectives of Sewage Treatment – A Pandemic Warrior” 23 May 2020, Chalapathi Institute of Technology, Mothadaka, Guntur.
3. “Road Safety Considerations for Indian Road Traffic Conditions”, 18 July 2020, NallaNarasimha Reddy Education Society’s Group of Institutions, Hyderabad.
4. “Hot Weather Concrete”, 21 May 2020, Shri Vishnu Engineering College for Women, Bhimavaram.

CO-CURRICULAR AND OTHER ACTIVITIES

1. Student Coordinator for the “5th Colloquium on Transportation Systems Engineering and Management (CTSEM)”, 17- 19 May 2018, Warangal, India.
2. Student Coordinator for the Five Day Training Program on “Road Safety Engineering Measures”, 27-31 August 2018, National Institute of Technology Warangal (NITW), India.

3. Volunteer for the “*National Conference on Sports and Exercise Psychology (Sep-2019)*”, 29-31 March 2019, National Institute of Technology Warangal (NITW), India.
4. Co-Coordinator for E-quiz “*Technical Quiz on Civil Engineering*”, 20-22 June 2020, Gudlavalleru Engineering College (GEC), Gudlavalleru, Andhra Pradesh, India.
5. Co-Coordinator for FDP “*Innovations in Civil Engineering*”, 22-27 March 2021, Gudlavalleru Engineering College (GEC), Gudlavalleru, Andhra Pradesh, India.
6. Coordinator for FDP “*Recent Advancements in Geotechnical and Transportation Engineering*”, 21-25 June 2021, Gudlavalleru Engineering College (GEC), Gudlavalleru, Andhra Pradesh, India.
7. Coordinator for “*Royal Association of Civil Engineering (RACE)*” AY: 2020-21, 2021-22, Department of Civil Engineering, Gudlavalleru Engineering College (GEC), Gudlavalleru, Andhra Pradesh, India.
8. Inchargefor “*Transportation Engineering Laboratory*”, AY 2020-21, 2021-22, Department of Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh, India.
9. Civil Engineering Department Coordinator for “*Atal Ranking of Innovations on Innovation (ARIIA)2021*”, Gudlavalleru Engineering College (GEC), Gudlavalleru, Andhra Pradesh, India.
10. Session Chair in the “*5th International Conference on Advanced Research in Civil Engineering (ICARCE-2021)*”, 09-10 July 2021, School of Civil Engineering, REVA University, Bengaluru, India.
11. Coordinator for “*Research and Innovation Centre*”, Department of Civil Engineering, 26 August 2021 to Till date, Seshadri Rao Gudlavalleru Engineering College (SRGEC), Gudlavalleru, Andhra Pradesh, India.
12. Co-Convener, “*International Conference on Advancements and Innovations in Civil Engineering (ICAICE-2021)*”, 17-18 December 2021, Organized by the Department of Civil Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh, India.

CONSULTANCY WORKS INVOLVED

1. *Tirumala Traffic Study*, Tirumala TirupatiDevasthanam, Tirupati, Andhra Pradesh, 2016.
2. *Design of traffic junctions*, Tirupati, Tirumala TirupatiDevasthanam, Tirupati, Andhra Pradesh, 2017.
3. *Comprehensive Traffic Study for Karimnagar City*, Municipal Corporation of Karimnagar, Telangana State, 2017.
4. *Traffic Study for Improvement of Roadway Traffic Junctions and Dividers in Siddipet Town*, Municipal Corporation of Siddipet, 2017

DECLARATION

I hereby declare that the details stated above are true and correct to the best of my knowledge.

(Dr. ESWAR SALA)