



Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Permanent Affiliation by Andhra University & Approved by AICTE
 Accredited by NBA (ECE,EEE,CSE,IT, Mech. Civil & Chemical) & NAAC)
 Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam District
 Phone: 08933-225083/84/87 Fax: 226395
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Department of Civil Engineering

Publications in Refereed/SCI Journals.

S.No	Details of Publications	SCI/Scopus	AY
1	Reddy, P. V. R. K. , and D. Ravi Prasad. "The role of graphene oxide in the strength and vibration characteristics of standard and high-grade cement concrete." <i>Journal of Building Engineering</i> 63 (2023).	SCI	2022-23
2	Vikranth, J. , P. V. R. K. Reddy, and NAGK Manikanta Kopuri. "A study on the effect of opening location on ultimate load capacity of an orthogonal solid slab." <i>Materials Today: Proceedings</i> (2023).	Scopus	2022-23
3	Reddy, P. V. R. K. , and D. Ravi Prasad. "Graphene oxide reinforced cement concrete—a study on mechanical, durability and microstructure characteristics." <i>Fullerenes, Nanotubes and Carbon Nanostructures</i> 31.3 (2023): 255-265.	SCI	2022-23
4	Reddy, P. V. R. K. , and D. Ravi Prasad. "Nano-reinforced cement composites and novel insights from graphene oxide: a review." <i>Bulletin of Materials Science</i> 47.1 (2024): 1-13.	SCI	2023-24
5	Reddy, P. V. R. K. , and D. Ravi Prasad. "The effect of graphene oxide-fly ash hybridisation on the hydration, microstructure and mechanical characteristics of cement concrete." <i>Fullerenes, Nanotubes and Carbon Nanostructures</i> (2023).	SCI	2023-24
6	Chenna, Rajaram, Neelima Patnala , Jaya Prakash Vemuri, and Pradeep Kumar Ramancharla. "Insights on the June 21, 2022, Khost earthquake, Afghanistan." <i>Sādhanā</i> 48, no. 3 (2023): 144.	SCI	2023-24
7	Saikrishnamacharyulu, Ippili, Balendra Mouli Marrapu and V. Madhava Rao, "Assessment of Reinforced Slope Stability of Soils using Multiple Regression Models." <i>International Journal of Intelligent Systems and Applications in Engineering</i> 12.8s (2024): 469-481	Scopus	2023-24
8	Balendra Mouli Marrapu , Saikrishnamacharyulu, Ippili, and VasalaMadhavarao. "A Novel Multi-Objective Particle Swarm Optimized RF-SVR Model for Reinforced Soil Slope Stability Analysis." <i>International Journal of Intelligent Engineering & Systems</i> 17.1 (2024).	Scopus	2023-24
9	Reddy, P. V. R. K. , and D. Ravi Prasad. "Investigation on the impact of graphene oxide on microstructure and mechanical behaviour of concrete." <i>Journal of Building Pathology and Rehabilitation</i> 7.1 (2022): 30.	Scopus	2021-22
10	Reddy, P. V. R. K. , and D. Ravi Prasad. "Synergetic Effect of Graphene Oxide and Fly Ash on Workability, Mechanical and Microstructural Properties of High-strength Concrete." <i>Jordan Journal of Civil Engineering</i> 16.3 (2022).	SCI	2021-22

S.No	Details of Publications	SCI/Scopus	AY
11	Chippada Srinivas , Srikar Danieland Devi Renuka. "Seismic Analysis and Design of Multi-Storeyed Building(S+G+4) usingSTAAD.PRO". International Journal of Management, Technology and Engineering. (2021)	Others	2021-22
12	Chippada Srinivas , K.Chanukya, T.Chaithanya Reddyand K.Hari Prasad."Experimental Studyon Mechanical Propertiesof Concrete byUsing Recron3s Fibre". International Journal of Advanced in Management Technology and Engineering Sciences.(2022)	Others	2021-22
13	Sreejani, Sravya PVR , Srinivasa Rao GVR. "Application Of Multivariate Statistical Analysis in River Water Quality Modelling: A Study On River Godavari At Dowleswaram, Andhra Pradesh" International Journal of Mechanical Engineering. (2022)	Others	2021-22



Dr. Balendra Mouli M
(R & D Coordinator)



Dr. B. N. D. Narasinga Rao
(HoD-Civil)

Head of the Department
Department of Civil Engineering
Prof. Neerukonda
Sardulva



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Book Chapters & Books Published

S.No	Details of Book Chapter	Publisher	AY
1	Reddy, P.V.R.K., Prasad, D.R. (2024). Experimental and Numerical Investigation on Stress–Strain Relationship of Graphene Oxide and Fly Ash-Based Concrete Under Axial Compression. In: Pancharathi, R.K., K. Y. Leung, C., Chandra Kishen, J.M. (eds) Low Carbon Materials and Technologies for a Sustainable and Resilient Infrastructure . CBKR 2023. Lecture Notes in Civil Engineering, vol 440. Springer, Singapore. https://doi.org/10.1007/978-981-99-7464-1_31	Springer, Singapore	2024
2	Reddy, P.V.R.K., Ravi Prasad, D. (2023). Strength Properties of Concrete with Rice Husk Ash and Quarry Dust for Sustainable Construction Applications. In: Vilventhan, A., Singh, S.B., Delhi, V.S.K. (eds) Advances in Construction Materials and Management. ACMM 2022. Lecture Notes in Civil Engineering, vol 346. Springer, Singapore. https://doi.org/10.1007/978-981-99-2552-0_24	Springer, Singapore	2023
3	Ratna Tej Reddy, K., Krishna Chaitanya, M.K.S.S. (2023). Effect of High Temperatures on Stiffness of Water Quenched Reinforced Concrete Columns Supplemented with Steel Fibers. In: Singh, S.B., Gopalarathnam, M., Kodur, V.K.R., Matsagar, V.A. (eds) Fiber Reinforced Polymeric Materials and Sustainable Structures. Composites Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-8979-7_16	Springer, Singapore	2023
4	Reddy, P.V.R.K., Ravi Prasad, D. (2023). Static and Dynamic Mechanical Properties of Graphene Oxide and Fly Ash Based Concrete. In: Singh, S.B., Gopalarathnam, M., Kodur, V.K.R., Matsagar, V.A. (eds) Fiber Reinforced Polymeric Materials and Sustainable Structures. Composites Science and Technology . Springer, Singapore. https://doi.org/10.1007/978-981-19-8979-7_23	Springer, Singapore	2023
5	Amacharyulu, I.S., Marrapu, B.M., Rao, V.M. (2022). Prediction of Pullout Resistance of Geogrids Using ANN. In: Bhateja, V., Sunitha, K.V.N., Chen, YW., Zhang, YD. (eds) Intelligent System Design. Lecture Notes in Networks and Systems, vol 494. Springer, Singapore. https://doi.org/10.1007/978-981-19-4863-3_29	Springer, Singapore	2022

BooksPublished

S.No	Book Details	Publisher
1	B. N. D. NARASINGA RAO, Soil Mechanics and Foundation Engineering, Wiley Publisher, 2015, ISBN 978-8126539567	Wiley Publisher

B. Balendra Mouli M
Dr. Balendra Mouli M
(R & D Coordinator)

B. N. D. Narasinga Rao
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Research Projects Applied


S.No	Name of the Faculty Applied	Project File Number	Name of the Agency
1	DR. BAVI NAGA DHUMA NARASINGA RAO	CRG/2022/008806	DST-SERB
2	DR. VIKRANTH JAMPA	SUR/2022/005352	DST-SERB
3	DR. BALENDRA MOULI M	SUR/2022/005134	DST-SERB
4	DR. BAVI NAGA DHUMA NARASINGA RAO	CRG/2018/003930	DST-SERB

Research Projects Completed

S.No	Name of the Faculty Applied	Proposal Number	Amount	Date of Completion
1	DR. BAVI NAGA DHUMA NARASINGA RAO	3688(UGC-SERO) Minor Research Project	3,09,145/-	2019

Title of the Project: Wealth from Waste- Fly ash Characterization for its bulk utilization in Geotechnical Engineering Applications


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List of Faculty Receiving Ph.D.


S.No	Name of Faculty	Awarded University	Awarded Year
1	Dr.PVRK Reddy	NIT-Warangal	2023
2	Dr.M K S S K Chaitanya	Andhra University	2022
3	Dr.Vikranth Jampa	Andhra University	2019


Ph.D. Guideship's available

S.No	Name of Faculty	Available University
1	Prof. B. N. D. Narasinga Rao	Andhra University
2	Prof. Vikranth Jampa	Andhra University
3	Dr. Balendra Mouli M	GIET University (Odisha)

Ph.D. guidance:

S.No	Name of Faculty	Role	Student Name	Registered University	Status of Work
1.	Dr. Balendra Mouli M	Co-Guide	Saikrishnamacharyulu, Ippili	GIET University (Odissa)	Pre- Synopsis completed


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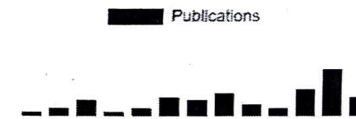
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