



ADIKAVI NANNAYA UNIVERSITY: RAJAMAHENDRAVARAM

UNIVERSITY COLLEGE OF ENGINEERING

FACULTY PROFILE

Name of the Faculty Dr. Kollu Sai Satya Mounika
Designation Assistant Professor(Adhoc)
Email & Phone No satyamounika.civil@aknu.edu.in, 7661872825
Date of Joining 09-11-2021
Department Civil Engineering
Educational Background 1. Awarded Ph.D. from Andhra University on 26-05-2022
2. M.S. 5-Year Integrated from Andhra University
3. Qualified APSET in 2016.



Research Areas Characterisation, Depositional and Erosional Dynamics of Coastal Area Sediment deposits from the Holocene to Recent, Along of Visakhapatnam – Bhimunipatnam Coast, Andhra Pradesh, East Coast of India

Experience 4 Years 1 month

Sl. No	Institute	Designation	Period
1.	AKNU-University College of Engineering	Asst. Prof	09-11-2021 - Till date
2.	Andhra University	Research Fellow	06-04-2018 to 30-10-2021

List of Publications (National and International Journals)

1. U. P. N. Raju, M. Jagannadha Rao, G. Raja Rao, K.S.S. Mounika, 'Studies on ore mineralogy of placer Ilmenite from parts of east coast of India', International Journal of Advance Research, Ideas and Innovations in Technology, Volume 4, Issue 3, May 2018.
2. Mokka Jagannadha Rao, U. P. N. Raju, G. Raja Rao, K.S.S. Mounika, 'Beach Placer Deposits of India, their Distribution, Mineralogy and Sustainable-Mining with reference to Placer Ilmenite', International Journal of Science and Research (IJSR), Volume 7, Issue 5, May 2018.
3. Gara Raja Rao, Kollu Sai Satya Mounika, Mokka Jagannadha Rao, 'Change Detection Analysis of Vamsadhara - Nagavali River Fluvial System, using Multi-Temporal Remote Sensing Data and GIS Techniques', International Journal of Advanced Remote sensing & GIS, Volume 8, Issue 1, February 2019, pp. 2955-2962,.
4. Kollu Sai Satya Mounika, Gottimukkala Sandeep, M. Jagannadha Rao, 'A study on gas hydrates, its structure, occurrence, geological indicators and technology for production- a review', International journal of basic and applied research, Volume 9, Number 7, July 2019. ISSN 2249-3352 (P) 2278-0505 (E).

5. Raja Rao G., Sandeep G., Mokka Jagannadha Rao, Mounika K.S.S., 'A Study On Morphometric Analysis of Vamsadhara and Nagavali River Systems – A GIS Approach', International Journal of Advanced Remote sensing & GIS, Volume 8, Issue 1, September 2019, pp. 3126-3134.
6. Sandeep G., Mokka Jagannadha Rao and K.S.S. Mounika, 'A Study on Chemical and Mineralogical aspects of Placer Ilmenites from North Coastal Andhra Pradesh – with reference to its Industrial Suitability', , International Journal of Scientific Research and Engineering Development, Volume 3, Issue 1, Jan-Feb 2020.
7. Avupati. V. S. Satyanarayana, M. Jagannadharao, Kollu Sai Satya Mounika, 'Review on Applications of Nuclear Analytical Techniques in Geosciences', International Journal of Research and Analytical Reviews (IJRAR), Volume 7, Issue 2, May 2020, (E-ISSN 2348-1269, P- ISSN 2349-5138)
8. A.V.S. Satyanarayana, M. Jagannadha Rao, K. Sai Satya Mounika, 'Need of Complementary Analytical Technique at PIXE-Complex Matrix Composition Analysis', International Journal of Scientific Research in Physics and Applied Sciences, Vol.8, Issue 3, pp. 36-40, June 2020, E-ISSN: 2348-3423.
9. Kollu Sai Satya Mounika, M. Jagannadha Rao, Gottimukkala Sandeep, 'A study on erosional and depositional pattern along Visakhapatnam coast', Indian journal of Geomorphology, Volume 24, no.2.
10. Accepted: Conference paper: Jagannadh Rao Mokka, Kollu Sai Satya Mounika, 'Field and Textural Characterization of Red Sediments and Associated units of Quaternary period from Visakhapatnam Coast–Possible impact of Tsunami on Sediment derivation and deposition', has been approved for presentation at the 36th International Geological Congress, Abstract ID-3397.

Trainings, Achievements / Awards etc.,:

- Summer research fellowship program conducted by IASc, INSA, NASI on “**Hybrid Polarimetric Analysis of RISAT-1 CFRS-1 data over glaciated terrain**” under the guidance of Dr. A.S.kiran Kumar, Space Applications Centre, Ahmedabad from May-July, 2014.
- Summer research fellowship program conducted by IASc, INSA, NASI on “**Gas Hydrates- A Geological Perspective**” under the guidance of Dr. Uma Shankar, National Geophysical Research Institute, Hyderabad from May-June, 2015.
- Fifteen days training on “**Process of Steel Making in Visakhapatnam Steel plant and the requirement of Raw Materials**” at Vizag Steel Plant, Visakhapatnam.
- Attended Two Day workshop on “Hyperspectral Image Analysis and Applications” held from 19-20 July, 2019 at Department of Geo-Engineering, Andhra University, Visakhapatnam.
- Awarded with certificate of merit for standing first in the Geology Department in the year 2012-2013.
- Awarded with certificate of merit for standing first in the Elocution Competition on Science day, 2014 organized by College of Science and Technology, Andhra University, Visakhapatnam.

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