



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B. Reddy Nagar, Mylavaram-521230, A.P, INDIA

Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi
NAAC Accredited with "A" grade, New Delhi & Certified by ISO 9001:2015

DEPARTMENT OF CIVIL ENGINEERING

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WATER RESOURCES & ENVIRONMENTAL ENGINEERING GROUP

Group Details:

	Name	Designation
Coordinator	J. RANGAIAH	Associate Professor
Members	Dr. V. RAMA KRISHNA	HOD& Professor

Journals

A.Y	SCI	Scopus Index	UGC Approved Journals	Open Access Journals	Total Number of Journals	Incentives Provided
2020-21	----	01	01	----	02	----
2019-20	----	02	----	----	02	----
2018-19	----	----	05	1	06	----
2017-18	----	----	----	01	01	---
2016-17	----	----	01	02	03	01
2015-16	-----	-----	----	02	02	----
2014-15	----	-----	----	01	01	----

Conferences, FDPs / Workshops and Webinars organized

A.Y	Conferences	FDPs / Workshops	Webinars
2020-21	-----	01	01
2019-20	-----	02	01
2018-19	01	----	----
2017-18	01	----	----
2016-17	01	----	----

Staff Colloquium

A.Y	Number of Topics Conducted
2018-19	04
2017-18	04

MAJOR LABS

Research Group Name	Labs Covered	Total Cost of Equipment	Major Equipment
WATER RESOURCES & ENVIRONMENTAL ENGINEERING	Environmental Engineering Lab	8,23,262/-	<ol style="list-style-type: none"> 1. B.O.D Incubator. 2. C.O.D Digestion Apparatus. 3. Muffle Furnace. 4. Hot Air Oven. 5. Flame Photometer. 6. UV Spectra photometer. 7. Water Quality Analyser.
	Fluid Mechanics & Hydraulic Machinery Lab	11,87,737/-	<ol style="list-style-type: none"> 1. Pelton Wheel Test RIG. 2. Kaplan Turbine Test RIG. 3. Centrifugal pump Test RIG. 4. Reciprocating pump Test RIG. 5. Impact of jets test RIG. 6. Friction Factor Test RIG. 7. Venturimeter & Orifice meter Test RIG. 8. Notch set up Test RIG. 9. Flow meter. 10. Bernoulli's Apparatus. 11. Orifice set up Test RIG.

PROJECT PROPOSALS

A.Y.: 2020-21

Sl. No	Name of the Research Proposal	Investigators	Name of the Funding Agency	Total Cost	Status	Remarks
1	Geospatial Analysis and Development of Knowledge Dissemination Resources to Combat COVID-19 and Similar Pandemics in the Villages of Mylavaram and G. Konduru Mandals of Krishna district, Andhra Pradesh	PI: Dr. V Ramakrishna CI: 1. Dr. Jagan Mohan Reddy D 2. Dr. Brahmananda Chari Kerchipalli	DST	26,57,360	Submitted - Jan,2021	

A.Y.: 2019-20

Sl. No	Name of the Research Proposal	Investigators	Name of the Funding Agency	Total Cost	Status	Remarks
1.	Advanced Modeling Techniques in Structural and Environmental Engineering	Mr. J. Rangaiah	AICTE-STTP	5,00,000	Submitted -Dec,2019	
2.	A Study On The Impact Assessment Surrounding An Industrial Area Near Vijayawada, Andhra Pradesh On Local Environmental Quality, Land Use And Land Cover Due To The Formation Of Capital City	PI: Dr. V. Ramakrishna CI: 1. Dr Achutaramaiah V.M K. 2. Dr Shaheda Niloufer	STRIDE-Component 3	1,09,31,000	Submitted -Sep,2019	

A.Y.: 2018-19

Sl. No	Name of the Research Proposal	Investigators	Name of the Funding Agency	Total Cost	Status	Remarks
1.	Studies on water quality and water resources Management in Mylavaram Mandal	Dr.V.Ramakrishna (PI) Dr.K.B.Chari (Co- PI)	DST-SERB	42,78,000/-	Submitted - June,2018	

JOURNALS**A.Y.: 2020-21**

1. **Dr. V. Ramakrishna**, B. Dharani Mounika, M. Haritha, A. Sambasiva Rao “ A Study on Air Quality Index In Mylavaram, Andhra Pradesh” Indian J. Environmental Protection, ISSN : 0253-7141, Volume -40, No : 12, December (2020), pp 1338-1342, Published in Scopus Index Journal.
2. **Dr. V. Ramakrishna**, N. Saigiri, K. Chakribabu, Saliha Sultana and Dhanujay “Modeling and Prediction of Traffic Noise Levels” IOSR Journal of Engineering (IOSRJEN), ISSN (e) : 2250-3021, Volume -11, Issue 1, January (2021), pp 4-13(UGC Recognized Journal).

A.Y.: 2019-20

1. **V. Ramakrishna**, K.L. Kavya, L. Rajitha, M. Kavitha, P.G. Gopi Reddy “Modelling Of Air Pollution From A Thermal Power Plant In AndhraPradesh – A Case Study” International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 7, (June 2020), pp. 5031-5042, Published in (Scopus Index Journal).

2. **V. Ramakrishna**, S. Chandrika, O. Charmini, G. Sandhyarani and K. Ravalika “A Study of Hydrological Parameters in Krishna District, and Andhra Pradesh” Test Engineering and Management ISSN: 0193-4120, Volume 83, 18th May 2020, Page No. 7962 - 7971 Published in (Scopus Index Journal).

A.Y.: 2018-19

1. **Dr. V. Ramakrishna**, N. Saigiri, K. Chakri Babu “A Study on Noise Pollution in Vijayawada, Andhra Pradesh”, Journal of Applied Science and Computations (JASC), ISSN: 1076-5131, Volume VI, Issue IV, June 2019, Page No : 384-388. Published in UGC Approved Journal.
2. **Dr. V. Ramakrishna**, K.V. Dasthagiri Gowd, B. Gangaraju, K. Umamaheswari and K. Prabhukiran. (2019). “A study on Water Balance in Mylavaram Mandal, Krishna District, Andhra Pradesh, India”, IOSR Journal of Engineering, Volume 9, Issue 4, (April 2019), pp. 76-83 (UGC Recognized Journal).
3. **Dr. V. Ramakrishna**, B. Samatha Reddy, Ch. Taraka Supraja, V. Ramanjaneyulu and T. Jayanth Nagachari “A Study on Comparison of Water Quality Index in Mylavaram Mandal, Krishna District, Andhra Pradesh ”, International Organization of Scientific Research (IOSR), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 08, Issue 11, November. 2018, PP 73-79(UGC Approved Journal).
4. **Dr. V. Ramakrishna**, S. Venkateswara Reddy, P. Srinivasa Rao, K. Sai Chaitanya and G. Sravanthi. (2018). " Recovery of biogas and compost from solid waste", International journal of basic and applied research, December 2018, Volume 8 Number 12 , pp 879-894, ISSN 2249-3352 (P) 2278-0505 (E) ,(UGC Approved Journal).
5. **Dr. V. Ramakrishna**, A. R. Kishore Kumar Reddy, A. Dileep Kumar Reddy, N. Sandeep Kumar, P. Chandrasekhar Subrahmanyam (2018). "A Study on Sewage Treatment and its Reuse for Gardening Purposes", Journal of Water Resources and Pollution Studies, Volume 3 Issue 3, pp. 25-32, e-ISSN: 2581-5326, (Open Access Journal).
6. **J. Rangaiah**, R. Chakri Sai Pavan (2018), “Artificial ground water recharge using roof top rainwater harvesting system”, Journal of Engineering Technologies and Innovative Research, Volume 5 Issue 12, pp 423-430, ISSN: 2349-5162, (UGC Approved Journal).

A.Y.: 2017-18

1. **Dr. V. Ramakrishna**, D. Ashwini, MVN Durga, D. Vamsikrishna, T. Rankumar, “A study On Ambient And Traffic Noise Pollution in Vijayawada, A.P, India”, International Journal of Current Research (IJCR), ISSN:0975- 833X, Vol.9, Issue.07, pp.53943-53951, July,2017 (Open Access Journal).

A.Y.: 2016-17

1. **Dr. V. Ramakrishna**, M. charitha, G. V. S. N Sai, S.N.D. Manikanta, B. Rani, “A Studdy On Ground Water Quality In CRDA Region”, Asia Pacific Journal of Research, ISSN: 2347- 4793, VOL-1, ISSUELII, June 2017 (UGC Approved Journal).
2. **Dr. V. Ramakrishna**, “Study On Water Quality Ranking In Rajam”, International journal of Research & Technology (IJERT), ISSN:2278-0181, VOL-6 ISSUE 6, JUNE-2017(Open Access Journal).

3. **Dr. V. Ramakrishna**, Ch. N. Subrahmanyam, S. Bhanuchand , B. Someswara Rao and A.N.V. Arun Kumar “Municipal Solid Waste Quantification, Characterization and Management in Mylavaram” Journal of Mechanical and Civil Engineering (IOSR-JMCE),e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 13, Issue 5 Ver. IV (Sep. - Oct. 2016), PP 77-87 (Open Access Journal).

A.Y.: 2015-16

1. **RANGAIAH. J**, “Sediment Yield Studies For Selected Catchments in Visakhapatnam District, Andhra Pradesh”, Journal of Engineering and Research, ISSN: 2248-9622, Vol. 6, Issue 04, pp.12-15, (Part-5) April 2016(Open Access Journal).
2. **Dr. V. Ramakrishna**, “Municipal Solid Waste Quantification, Characterization and Management in Rajam”, The International Journal of Engineering and Science, ISSN: 2319-1813, Vol. 5, Issue 2, pp. 40-47, February 2016(Open Access Journal).

A.Y.: 2014-15

1. **Dr. V. Ramakrishna**, “A Systematic Approach for Screening and Performance Assessment of Novel Adsorbents”, International Journal of Engineering, Research and Technology, ISSN: 2278- 0181 (ISO 3297:2007), Vol. 3 Issue 11, November- 2014, pp 901-907 (Open Access Journal).

Conferences Attended

A.Y.: 2020-21

Sl. No	NAME	PROGRAMME	PLACE	PERIOD
1.	J. Rangaiah	“Water Demand Analysis for Selected Rural Regions in Visakapatnam District”, Online International Conference on Community Based Research and Innovations in Civil Engineering	Manipal University, Jaipur	18 th to 19 th March, 2021

A.Y.: 2018-19

Sl. No	NAME	PROGRAMME	PLACE	PERIOD
1.	Dr. V. Ramakrishna	“A Study on Noise Pollution in Vijayawada, Andhra Pradesh”, International Conference on Engineering Technology, Pharmacy and Management	Malineni Perumallu Educational Society Group of Institutions, Guntur	13-06-2019

A.Y.: 2017-18

Sl. No	NAME	PROGRAMME	PLACE	PERIOD
1.	Dr. K. Sreenivasa Reddy	“Hydrodynamic Study of Deeply Submerged Break water on Reduction of Wave Run-up and Reflection” , International Conference on Environmental Management-2017	JNTUK, Kakinada	27-11-2017 to 30-11-2017

A.Y.: 2016-17

Sl. No	NAME	PROGRAMME	PLACE	PERIOD
1.	J.Rangaiah , Bhaskar P, Mallikarjuna V	“Sediment Distribution Pattern Studies for Thandava and Konan Reservoirs in Visakapatnam District”, Water Resources and Environmental Engineering-1	Visakapatnam	30-03-2017 to 01-04-2017

Webinars organized

Academic year	Name of Event	Duration	Funded
2020-21	One Day webinar on “GIS & IOT Based Solutions for Integrated Solid Waste Management”	14 th Feb, 2021	COLLEGE
2019-20	One Day webinar on “GIS-Based Facility Siting Of Chemical & Hazardous Industries”	07 th Jun, 2020	-

FDPs / Workshops organized

Academic year	Name of Event	Duration	Funded
2020-21	Online Three day Faculty Development Program on “Environmental And Water Resources Modeling And Management”	04 th – 07 th June, 2021	COLLEGE
2019-20	Three-Day Faculty Development Program on “Analysis And Modelling Of Pandemic Scenarios Using Empirical And GIS Techniques”	18 th – 20 th May, 2020	-
2019-20	Three-Day Faculty Development Program on “GIS Professional Training”	06 th -08 th Nov, 2019	COLLEGE

Staff Colloquium

Sl. No	Speaker	Topic	Date
A.Y: 2018-19			
1.	Mr. J. Rangaiah	Sediment distribution pattern studies	10-01-2019
2.	Dr. V. Ramakrishna	Professional Ethics in Technical Education	26-12-2018
3.	Dr. V. Ramakrishna	Water quality and water resources management in Mylavaram Mandal	21-07-2018
4.	Mr. J. Rangaiah	Principles of Remote Sensing and its applications	23-06-2018
A.Y: 2017-18			
1.	Dr. V. Ramakrishna	Solid waste recovery	10-03-2018
2.	Dr. V. Ramakrishna	A study o ambient and traffic noise pollution in Vijayawada	23-09-2017
3.	Mr. J. Rangaiah	Open source GIS	16-09-2017
4.	Dr. V. Ramakrishna	A study on ground water quality in AP CRDA region	05-08-2017