



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 New Delhi & Certified by ISO 9001:2015

DEPARTMENT OF CIVIL ENGINEERING

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SOIL STRUCTURE INTERACTION GROUP

Group Details:

Research Group Name	SOIL STRUCTURE INTERACTION	
	Name	Designation
Coordinator	B. NARASIMHA RAO	Assistant Professor
Members	M. MANOJ KUMAR	Assistant Professor

Journals

A.Y	SCI	Scopus Index	UGC Approved Journals	Open Access Journals	Total Number of Journals	Incentives Provided
2019-20	----	02	----	----	02	----
2018-19	----	----	----	01	01	----
2017-18	----	----	----	----	----	----
2016-17	----	----	----	02	02	----
2015-16	----	----	----	----	----	----
2014-15	----	----	----	----	----	----
2013-14	----	----	----	----	----	----

Conferences, FDPs / Workshops, Webinars organized

A.Y	Conferences	FDPs / Workshops	Webinar
2020-21	---	01	01
2019-20	---	----	01
2018-19	---	----	----

Staff Colloquium

A.Y	Number of Topics Conducted
2019-20	02
2018-19	03
2017-18	02

MAJOR LABS

Research Group Name	Labs Covered	Total Cost of Equipment	Major Equipment
SOIL STRUCTURE INTERACTION	Geo Technical Engineering Lab	12,29,178/-	<ol style="list-style-type: none"> 1. Permeability test apparatus. 2. Direct shear test apparatus. 3. Triaxial compression testing machine. 4. Vane shear test. 5. Soil sample Extractor
	Transportation Engineering lab	7,62,981/-	<ol style="list-style-type: none"> 1. Aggregate Impact Test Apparatus. 2. Deval's Attrition Testing Machine. 3. Los Angeles Abrasion Testing Machine. 4. Penetrometer. 5. Bitumen Ductility Apparatus. 6. Benkelman Beam. 7. Ring and Ball Apparatus. 8. Tar Viscometer. 9. Centrifuge Extractor. 10. Marsha Marshall stability test Apparatus. 11. Flash and Fire Point Apparatus.
	Surveying Lab	12,15,236/-	<ol style="list-style-type: none"> 1. Total station. 2. Theodolite. 3. Auto level. 4. Dumpy level. 5. EDM

JOURNALS

A.Y.: 2019-20

1. **Narasimha Rao. B**, Nagaraju. A, Lavanya bai. P, Sarath. V, Rupla Naik. I. "Stabilisation of Black Cotton Soil by Using Fly Ash and Rice Husk Ash", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Volume-29 Issue-5, May 2020, Page No: 9465-9470. Published in (Scopus Index Journal).
2. **M. Manoj S.** Hari Prasanna Rao, B. Lalithya, P. Sai Bhargavi, A. Pavan Kumar. "Level of Service of Roads in Vijayawada", International Journal Of Recent Technology And Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-2, July 2019, Page No: 1373-1378. Published in (Scopus Index Journal).

A.Y.: 2018-19

1. **B. Narasimha Rao** (2019) "In Elastic Response of Two Pile Group under Moment Loading" International Journal of Scientific Engineering and Research (IJSER), ISSN: 2347-3878, Jan 2018, Page No: 20-26(Open Access Journal).

A.Y.: 2016-17

1. **Dr. K. SrinivasaReddy**, Sk. Amreen, S. Mounika, M. Parvage, B. Padmakar Reddy(2017) “Modified Flexible Pavement Design by using Foamed Polystyrene Waste”, International Journal for Scientific Research & Development, ISSN : 2321-0613, Vol. 5, Issue 02, 2017(Open Access Journal).
2. **M. Manoj Kumar**, Imam Shaik, P. Sravanthi, A. Sesirekha, P. Keerthi & S. Geetha (2017) “Pollution Absorbing Pavements”, Imperial Journal of Interdisciplinary Research (IJIR), ISSN: 2454-1362, Vol-3, Issue-4, 2017(Open Access Journal).

Webinars organized

Academic year	Name of Event	Duration	Funded
2020-21	Online Webinar on “Highway Materials Bitumen Characterisation”	17 th June, 2021	COLLEGE
2019-20	One Day webinar on “Soil Investigation Methods, Challenges & Solutions”	13 th Jun, 2020	-

FDPs / Workshops organized

Academic year	Name of Event	Duration	Funded
2020-21	Three Day faculty development program on “Advanced Topics in Geotechnical and Transportation Engineering”	25 th -27 th March, 2021	COLLEGE

Staff Colloquium

Sl. No	Speaker	Topic	Date
A.Y: 2019-20			
1.	Mr. B. Narasimha Rao	Stability of soil	20-12-2020
2.	Mr. M. Manoj Kumar	Level of service of roads in Vijayawada	10-07-2019
A.Y: 2018-19			
1.	Mr. B. Narasimha Rao	Inelastic response of Two pile group under movement loading	28-03-2019
2.	Mr. K. Jaya Rao	Road User attitude towards safety	22-09-2018
3.	Mr. M. Manoj Kumar	Plastic Roads	08-09-2018
A.Y: 2017-18			
1.	Mr. B. Narasimha Rao	Soil profile in LBRCE	21-04-2018
2.	Mr. M. Manoj Kumar	Application of Queuing theory at Traffic signal intersection	23-03-2018
3.	Mr. M. Manoj Kumar	Pollution absorbing Pavements	07-10-2017