

# NIRMAAN

NEWSLETTER

DEPARTMENT OF CIVIL ENGINEERING



NIRMAAN

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ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTU KAKINADA

# ABOUT CIVIL ENGINEERING DEPARTMENT

Apara Bhageeratha'- Sir Arthur Cotton remains revered and enjoys the pride of place in the hearts of the people in coastal Andhra Pradesh for being the genius architect behind the projects that made the delta region the 'Rice Bowl' for the state. With this inspiration taken from the genius architect, the department of Civil Engineering at Aditya transfers innovative applications to improve Civil Engineering practices which fulfill the requirements of civil construction industry.

To face the challenges in the field, the department associates itself in different consultancy activities like quality control, design, detailing, soil testing and concrete testing to the construction sites in the close vicinity. To shore up transition of knowledge, eminent personnel from industry and academia are invited to deliver technical talks on emerging areas to keep the students abreast with the latest advancements.

The department has state-of-the-art facilities, latest software like STAAD Pro, AUTOCAD, Revit Structures, Robot Structure analysis etc. and well-equipped laboratories with costly equipment such as Total Station, Universal Testing Machine, Tri-axle Shear Testing Machine, Kaplan turbine, Francis turbine, Pelton wheel testing rig, Compression testing machine, Ultrasonic pulse velocity equipment etc.

The department offers unique internship opportunities to students in companies like L&T Construction, Reliance Industries Limited, OIL, Irrigation Department, Govt. of A.P., Soma Constructions, APCO Infra tech, Vizag Steel Plant etc.

## VISION OF DEPARTMENT

To produce globally employable, technically competent and ethically sound Civil Engineering Professionals

## MISSION OF DEPARTMENT

- M1:** By imparting and enriching students with technical knowledge and problem solving skills.
- M2:** By following a teaching-learning process abreast with changing industry needs and current societal challenges
- M3:** By establishing a successful industry and institution collaboration.
- M4:** By providing better quality departmental infrastructure to promote civil engineering research activities.

## FACULTY PUBLICATIONS

S. No	Authors	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication
1.	S. Anandha Kumar, E. R. Sujatha	Assessing the potential of xanthan gum to modify in situ soil as baseliners for landfills	International Journal of Environmental Science and Technology	Elsevier	Oct-2021
2.	Ramamohana Reddy Bellum	Influence of anti-washout admixtures on the strength and microstructural characteristics of geopolymer concrete	Journal of Building Pathology and Rehabilitation	Springer	Sep-2021
3.	Sumit Choudhary, Amardeep Singh, Abhishek Jain, Rajesh Gupta & Sandeep Chaudhary	Effect of Fiber Volume Fraction of Waste Originated Tire Fiber and w/c Ratio on Mechanical Properties of Functionally Graded Concrete	Iranian Journal of Science and Technology, Transactions of Civil Engineering	Springer	Nov-2021
4.	Sumit Choudhary, P. RaviKishore, S.Pachaiappan	Sustainable utilization of waste slag aggregates as replacement of coarse aggregates in concrete	Materials today: Proceedings	Elsevier	Nov-2021

## STUDENT ACTIVITIES

### LEO CLUB ACTIVITIES

Our students were a part of various activities held by Leo Club in the month of September as a part of World Suicide Prevention Day and were actively volunteering the COVID-19 vaccination drive held in the campus in September. In September the Leo club volunteers visited Navaseva Childrens welfare home in Kakinada and in October in the events held as a part of Gandhi Jayanthi and Lal Bahadur Sastri Jayanthi. Many students participated in the quiz competition held as part of the event.

In November the New body installation for the Leonistic year 2021-2022 was held.



### NSS RELATED ACTIVITIES

In the month of October our students taken part in the vaccination drive conducted by NSS in collaboration with Red Cross and Leo Club. Our students have participated in various events like quiz, elocution and essay writing and singing competition and instrument playing competition and dancing competition in the month of November as a part of International student's day and World's Sandwich day.

# PLACEMENTS

*HEARTILY CONGRATULATIONS for getting Placement in  
SDVVL SURVEY AND CONSTRUCTION PVT LTD*

## Congratulations



**B G SAI NAGESH**  
(18A91A0142)  
(C.S LRA)



**DAVESH RAI**  
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*Held in the month of NOV 2021*

# **EDITORIAL BOARD**

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Arya Haridas Assistant Professor

## **STUDENTS**

G. Bhuvana Sri IV B.Tech

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M. Likhitha III B.Tech

M. Dhana Harshini II B.Tech

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