

# NIRMAN

Civil  
Engineering

## Newsletter

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DEPARTMENT OF CIVIL ENGINEERING



**ADITYA ENGINEERING COLLEGE**

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTUK

Aditya Nagar, ADB Road, SURAMPALEM-533437, Near Kakinada, E.G. Dist., ph: 99498 7666

Recognized by UGC under the sections 2(f) and 12(B) of UGC act 1956

## ➤ ABOUT CIVIL DEPT

The Department of Civil Engineering at Aditya transfers innovative applications to improve Civil Engineering practices which fulfil the requirements of the 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 the 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 THE DEPARTMENT

To be a recognized center in Civil Engineering with values and innovation.

## MISSION OF THE DEPARTMENT

### MISSION 1:

Practice learner-centric quality teaching learning process abreast with changing industry needs and societal challenges

### MISSION 2:

Provide quality infrastructure towards academics, research and innovation

### MISSION 3:

Establish effective industry and institutional collaboration



## ► FACULTY PUBLICATIONS IN INTERNATIONAL JOURNALS AND CONFERENCES

Sl. No.	Authors	Title of the research paper	Name of the journal/conference /book chapter etc.	Year of publication
1	Dr. S. Anandha Kumar	Assessing the potential of xanthan gum to modify in-situ soil as base liners for landfills	International Journal of Environmental Science and Technology	2021
2	Dr. S. Anandha Kumar	Understanding the microstructure, mineralogical and adsorption characteristics of guar gum blended soil as a liner material	Environmental Monitoring and Assessment	2021
3	Dr. B. Ramamohana Reddy	Influence of steel and PP fibers on mechanical and microstructural properties of fly ash-GGBFS based geopolymer composites	Ceramics International	2021
4	Dr. G. Jaswanth	Probabilistic demand models and performance-based fragility estimates for concrete protective structures subjected to missile impact	Reliability Engineering and System Safety	2022

5	Dr. G. Jaswanth	Performance-Based Code Calibration and Total Probability of Failure of the Nuclear Containment Structure Subjected to Missile Impact	Practice Periodical on Structural Design and Construction	2022
6	Dr. B. Ramamohana Reddy	Influence of anti-washout admixtures on the strength and microstructural characteristics of geopolymers concrete	Journal of Building Pathology and Rehabilitation	2021
7	Dr. B. Ramamohana Reddy	Effect of slag on strength, durability and microstructural characteristics of fly ash-based geopolymers concrete	Journal of Building Pathology and Rehabilitation	2022
8	Dr. B. Ramamohana Reddy	Design optimisation of non-overflow section of a concrete gravity dam	Journal of Building Pathology and Rehabilitation	2022
9	Dr. B. Ramamohana Reddy	Seismic performance of a truss bridge with different substructure configurations	Innovative Infrastructure Solutions	2022
10	Dr. S. Pachaiappan	Numerical analysis of offshore topside with FGM under impact loads	Innovative Infrastructure Solutions	2022

11	K.P.Prajna Bharathi	Mechanical properties of self-compacting concrete using steel slag and glass powder	Journal of Building Pathology and Rehabilitation	2022
12	Dr. M Sumit Chowdary	Sustainable utilization of waste slag aggregate as replacement of coarse aggregate	Materials today Proceedings	2022
13	Dr. B.Ramamohana Reddy	Investigation on the accelerated pavement test track (APTT) in the development of road network using geopolymers concrete	Cleaner Materials	2022
14	Dr. G. Jaswanth	Performance-based probabilistic capacity models for reinforced concrete and prestressed concrete protective structures subjected to missile impact	International Journal of Impact Engineering	2022
15	P.Lakshmi	Desalination of sea water using solar still	ISTCE 2021	2021

## ► PLACEMENT DETAILS

S. No.	Roll Number	Name of the Student	Designation	Name of the company	Salary Package
1	18A91A0104	Boddapati Anusha	Trainee Software Engineer	Avantix Technologies	2.40 LPA
2	18A91A0148	Tripurari Thakur	Trainee Software Engineer	Avantix Technologies	1.80 LPA
3	18A91A0153	Rahul Kumar Yadav	Trainee Software Engineer	Avantix Technologies	2.40 LPA
4	18A91A0165	Dasam Naga Chakradhar	Trainee Software Engineer	Avantix Technologies	2.40 LPA
5	18A91A0170	Garapati Bhuvana Sri	Trainee Software Engineer	Avantix Technologies	4.20 LPA
6	19A95A0114	Ankam Durgamba	Jr. Design Engineer (Smart City and IoT Solutions)	Cadsys	4.26 LPA

7	18A91A0124	KOYILADA NAGA NAVEEN SIVA SWAMY NAIDU	ANALYST	CAPGEMINI	4.00 LPA
8	18A91A0141	RITURAJ THAKUR	ANALYST	CAPGEMINI	4.00 LPA
9	18A91A0142	SADHANALA GANGADHAR SAI NAGESH	ANALYST	CAPGEMINI	4.00 LPA
10	18A91A0174	KAKARLAMUDI VENKTA SRIRAM BHARADVAJ	ANALYST	CAPGEMINI	4.00 LPA
11	19A95A0122	NEELAPU PHANINDDRA	ANALYST	CAPGEMINI	4.00 LPA
12	18A91A0123	KOTTU SAI GANGADHAR	ASSOCIATE PROFESSIONAL	DXC TECHNOLOGY	4.00 LPA
13	18A91A0150	SRI SAI VIJNATHRI RAMA SAGARI VENNA	ASSOCIATE PROFESSIONAL	DXC TECHNOLOGY	4.00 LPA
14	18A91A0192	LAVANYA PENUMALLA	ASSOCIATE PROFESSIONAL	DXC TECHNOLOGY	4.00 LPA



## PLACEMENT DETAILS



**A** DITYA  
**E** NGINEERING  
**C** OLLEGE

# Congratulations

**2.40 LPA**



**Avantix Technologies Inc**



**BODDAPATI ANUSHA**  
18A91A0104



**TRIPURARI THAKUR**  
18A91A0148



**RAHUL KUMAR YADAV**  
18A91A0153



**DASAM NAGA CHAKRADHAR**  
18A91A0165



**GARAPATIBHUVANA SRI**  
18A91A0170



**A** DITYA  
**E** NGINEERING  
**C** OLLEGE

# Congratulations

**4.26 LPA**



**CADSYS**



**A. DURGAMBA**  
19A95A0114



## PLACEMENT DETAILS



**A** DITYA  
**E** NGINEERING  
**C** OLLEGE

# Congratulations

**4.0 LPA**

Capgemini



**K.N.N. SIVA SWAMY NAIDU**  
18A91A0124



**RITURAJ THAKUR**  
18A91A0141



**S.G. SAI NAGESH**  
18A91A0142



**K.V.S. BHARADVAJ**  
18A91A0174



**N. PHANINDRA**  
19A95A0122



**A** DITYA  
**E** NGINEERING  
**C** OLLEGE

# Congratulations

**4.0 LPA**

**DXC**  
TECHNOLOGY



**KOTTU SAI GANGADHAR**  
18A91A0123



**S.S.V. RAMA SAGARIVENNA**  
18A91A0150



**P. LAVANYA**  
18A91A0192



## STUDENTS ACTIVITIES

## STUDENTS AWARDS/ACHIEVEMENTS

Sl. No.	Name of the Students	Name of the event	Topic	Venue	Date	Award/Reward
1	Narava Mohan, Bikash Singh Yadav and Velisetti Sumanraju	SPANDAN 2K21	Modern Air Pollution Control Technologies	Bannari Amman Institute of Technology, Tamil Nadu	14th - 16th August 2021	2nd Winner
2	Anil Kumar Mandal, Aditya Kumar Tara	SPANDAN 2K21	Brain Buzz	Bannari Amman Institute of Technology, Tamil Nadu	14th - 16th August 2021	2nd Winner

## STUDENTS PARTICIPATION IN VARIOUS EVENTS

Sl. No.	Name of the Student	Name of the event	Topics	Venue	Date
1	Narava Mohan	SPANDAN 2K21	Modern Air Pollution Control Technologies	Bannari Amman Institute of Technology, Tamil Nadu	14th - 16th August 2021
2	Bikash Singh Yadav, Velisetti Sumanraju	SPANDAN 2K21	Plastic As a Soil Stabilize	Bannari Amman Institute of Technology, Tamil Nadu	14th - 16th August 2021
3	Yerramsetti Ravi Kumar, Sheikh Akib Hussain, Sanagapalli Sai Ganesh	75th Independence Day Special Quiz 2021	Concrete Using Recycled Aggregates	CARE College of Engineering, Tiruchirappalli, Tamil Nadu	6th - 15th August 2021
4	Tirumani Sai Manoj, Vaidadi Laxmi Krishna Kumari	LEO FEST 21	Plastic As a Soil Stabilize	Bannari Amman Institute of Technology, Tamil Nadu	20th - 22nd August 2021
5	Anusuri Suresh, Shaik Basheer	LEO FEST 21	Zero Energy Building	Bannari Amman Institute of Technology, Tamil Nadu	20th - 22nd August 2021

## STUDENTS PUBLICATIONS

THE FOLLOWING STUDENTS PUBLISHED THE TECHNICAL PAPER IN THE JOURNAL OF CRITICAL REVIEW:

Sl.No	Project Batch Members		Project Title	Guide Name
	Regd. No	Name of the Student		
1	18A91A0142	S Gangadhar Sai Nagesh	Influence of slag on strength and microstructural characteristics of Geopolymer composite	Dr. B. Rama Mohana Reddy
	18A91A0104	Boddapati Anusha		
	18A91A0103	B Surya Sai Krishna Vamsi		
	18A91A0137	Pentapati Abhiram		
	18A91A0101	Bandi Kasi Pratap Reddy		

2	18A91A0150	Venna Sri Sai Vignatri Rama Sagari	Usage of Rice Husk Ash and Steel fibres in the production of Concrete	Dr.Sumit Choudhary Mukund
	18A91A0110	Chinthalapudi Vijaya Lakshmi		
	18A91A01B0	Tirtha Narayan Sah		
	18A91A0134	P V V Satya Siva Mani Kumar		
	18A91A0107	Chevvakula Denny Dhanaraj		
3	18A91A0122	Korlepara Bhanu Prakash	Usage of Cermaic Powder and Steel fibres in the production of concrete	P. Ravi Kishore
	18A91A0141	Rituraj Thakur		
	18A91A0114	Gubbala Bindu Priya		
	18A91A0132	Naramala Yaswanth		
	18A91A0116	Kakileti Chudamani Krishnarjun		



4	19A95A0108	Mathsa Thirupathi Raidu	Experimental study on alkali resistant glass fibre reinforced concrete	Dr. S. Govindarajan
	19A95A0104	Chintalapudi Bhagya Lakshmi		
	18A91A0115	Jaladhani Veera Naga Suresh Babu		
	18A91A0126	Mandapaka Hema S Sai Nookaraju		
5	18A91A0158	Baddi Bhupathi Raja Durga Prasad	Experimental study on Bamboo Reinforced Concrete	G. Krishna Kanth
	18A91A0163	Borra Kalki		
	18A91A01A6	Dipesh Kumar Mandal		
	18A91A0186	Nagulapalli J V V S S L Vigneswar		
	18A91A0184	Marothi Leena		

5	18A91A0179	KSHATRI BHAVYA NAGA SAI PARVATHI	EXPERIMENTAL STUDY ON BAMBOO REINFORCED CONCRETE	G. KRISHNA KANTH
	19A95A0128	TATAVARTHI V S R S SAI KIRAN		
	18A91A01A3	VELISETTI SUMANRAJU		
	18A91A01A1	VANJARAPU SUNIL KUMAR		
	18A91A0156	AKULA YUVA CHAITANYA		



## MEMBER OF EXTERNAL BODIES/AGENCIES

Sl. No.	Name of the faculty	Name of the external body	Position
1	Dr. Ramamohana Reddy Bellum	Materials today proceedings, Elsevier	Reviewer
		Sustainable futures, Elsevier	Reviewer
2	Dr. Jaswanth Gangolu	Practice Periodical on Structural Design and Construction, ASCE Journal	Reviewer
3	Mr. Yaswanth K. K.	Structures, Elsevier	Reviewer
4	Dr. Sumit Chowdary M	Journal of materials in civil engineering, ASCE Journal	Reviewer

## EDITORIAL BOARD

### FACULTY

Mr. Pilla Ravi Kishore, Asst. Professor & HOD  
Dr. S. Pachaippan, Asst. Professor

### STUDENTS

J. Ramsai, IV B.Tech  
S. Sai Krishna, IV B.Tech  
B.Pavan Bharath, IV B.Tech  
K.Kranthi Durga Prasad, IV B.Tech  
A.M.D Veera Kumar, III B.Tech  
A. Sai Aditya, III B.Tech  
M. Ram Sandeep, III B.Tech