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DEPARTMENT OF CIVIL ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTU KAKINADA

ABOUT CIVIL DEPARTMENT

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

Sl. No.	Authors	Title of the research paper	Name of the journal/conference/book chapter	Year of Publication
1	Pachaiappan S	Displacement-Controlled Nonlinear Analysis of Offshore Platform Topside Under Accidental Loads	Arabian Journal for Science and Engineering	2022
2	Dr. G. Jaswanth	Performance-based probabilistic deflection capacity models and fragility estimation for reinforced concrete column and beam subjected to blast loading	Reliability Engineering & System Safety	2022
3	Dr. P. Laxmi Narayana	Assessment of Sediment Hazards by Bed Level Variations Around the Bridge Pier	River Dynamics and Flood Hazards	2022

Student Activities

Student Achievements

Sl. No.	Name of the students	Name of the event	Topic	Venue	Date	Award/Reward
1	Sunkara Rohith Venkata Pavan	SV Colleges AMPLE 2022	Carbon Fiber Use in Constructions	SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022	1 st Winner
	Singineedi Veerendra					
2	Kandimalla Vamsi Krishna	EFFICIENCY 2K22	3D Modular Volumetric Construction	Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022	2 nd Winner
	Kata Ganesh Kumar					
	Seendrum Veera Venkata Subrahmanyam					
3	Thota Purna Durga Sai Nadh	TECHFINIX 22	Brick Modelling	Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022	1 st Winner
	Kadari Sri Sandheep Kumar					
	Tedlapu Sai Surya					

	Maridayya					
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Students' participation in various activities

Sl. No.	Name of the student	Name of the event	Topic	Venue	Date
1	Tadala Narayana Swamy	SV COLLEGES AMPLE 2022	Application of GIS Data in Ground Water Data Determination	SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
2	Tirumani Sai Manoj	SV COLLEGES AMPLE 2022		SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
3	Sunkara Rohith Venkata Pavan	SV COLLEGES AMPLE 2022	Carbon Fiber Use in Constructions	SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
4	Singineedi Veerendra	SV COLLEGES AMPLE 2022		SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
5	Thota Rajavenkat	MEDHA 2K22	Black Cotton Soil Using Bio Enzyme and Bagasse Ash	Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh	14th - 15th September 2022
6	Thota Suresh	MEDHA 2K22		Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh	14th - 15th September 2022
7	Ragala Dinesh Kumar	MEDHA 2K22	Advance Construction Techniques	Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh	14th - 15th September 2022
8	Vempadapu Pavan	MEDHA 2K22		Godavari Institute of Engineering and Technology, Rajahmundry, Andhra Pradesh	14th - 15th September 2022
9	Pamarthi Venkata Naga Saibabu	EFFICIENCY 2K22	Alternatives of Sand	Saranathan College of Engineering,	29th October 2022

				Tiruchirappalli, Tamil Nadu	
10	Routhu Veera Babu	EFFICIENCY 2K22		Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022
11	Thotakura Srinivas	EFFICIENCY 2K22		Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022
12	Kandimalla Vamsi Krishna	EFFICIENCY 2K22		Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022
13	Kata Ganesh Kumar	EFFICIENCY 2K22	3D Modular Volumetric Construction	Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022
14	Seendrum Veera Venkata Subrahmanyam	EFFICIENCY 2K22		Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu	29th October 2022
15	Dadala Mansseih Paul	SV COLLEGES AMPLE 2022	Technical Quiz	SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
16	Malla Sai Narayana	SV COLLEGES AMPLE 2022		SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
17	Tirupathi Raj Kumar	SV COLLEGES AMPLE 2022	Project Expo	SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022
18	Kommoju Lokesh	SV COLLEGES AMPLE 2022		SV College of Engineering, Tirupati, Andhra Pradesh	14th - 16th July 2022

19	Kora Teja Chowdary	TECHFINIX 22	Technical Quiz	Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022
20	Kamepalli Nani Kumar	TECHFINIX 22		Paavai Engineering College, Namakkal,	20th - 21st October

				Tamil Nadu	2022
21	Lalam Ganesh	TECHFINIX 22		Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022
22	Thota Purna Durga Sai Nadh	TECHFINIX 22		Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022
23	Kadari Sri Sandheep Kumar	TECHFINIX 22	Brick Modelling	Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022
24	Tedlapu Sai Surya Maridayya	TECHFINIX 22		Paavai Engineering College, Namakkal, Tamil Nadu	20th - 21st October 2022

Placement Details

S. No.	Roll Number	Name of the Student	Designation	Name of the company	Salary Package
1	20A95A0137	Polavarapu Raviteja	Associate Professional	DXC Technologies	3.60 LPA
2	20A95A0145	Surampudi Naga Raju	Associate Professional	DXC Technologies	3.60 LPA
3	20A95A013	Peddamalla Leela Krishna	Associate Professional	DXC Technologies	3.60 LPA
4	20A95A0131	Sasi Pabbireddy	Associate Professional	DXC Technologies	3.60 LPA
5	20A95A0141	Sarakanam Dheeraj	Associate Professional	DXC Technologies	3.60 LPA
6	19A91A0140	Jitendra Reddy Nallamilli	Associate Professional	DXC Technologies	3.60 LPA
7	19A91A0149	Rakurthi Devi Sri Hari	Graduate Engineer Trainee	SDVVL	2.00 LPA
8	19A91A0152	Rithwik Mamidala	Associate Professional	DXC Technologies	3.60 LPA
9	19A91A0111	Erothu Mani Deekshitha		TCS	3.36 LPA
10	20A95A0112	J Veera Venkata Sharma	Associate Professional	DXC Technologies	3.60 LPA
11	19A91A0163	Suresh Thota	Associate Professional	DXC Technologies	3.60 LPA
12	19A91A0124	Karri Venkata Sudheer Kumar Reddy	Associate Professional	DXC Technologies	3.60 LPA
13	20A95A0140	Saladi Sai Krishna	Associate Professional	DXC Technologies	3.60 LPA

14	19A91A0153	Sai Ganesh Sanagapalli	Associate Professional	DXC Technologies	3.60 LPA
15	20A95A0124	Maddala Likhitha	Graduate Engineer Trainee	SDVVL	2.00 LPA
16	19A91A0117	Gullinkala Sai Sriram	Graduate Engineer Trainee	SDVVL	2.00 LPA
17	20A95A0121	K Madhav Charan	Associate Professional	DXC Technologies	3.60 LPA
18	19A91A0136	Naga Surya Neeraj Kumar Mogalathurthi	Associate Professional	DXC Technologies	3.60 LPA
19	19A91A0162	Raja Venkat Thota	Associate Professional	DXC Technologies	3.60 LPA
20	20A95A015	V V V Durga Prasad	Associate Professional	DXC Technologies	3.60 LPA
21	20A95A0153	Yenumula v s l soundarya lahari	Associate Professional	DXC Technologies	3.60 LPA
22	19A91A0107	Dangeti Hima Ganga Kusuma	Associate Professional	DXC Technologies	3.60 LPA
23	19A91A0106	Chitturi Sri Lakshmi	Associate Professional	DXC Technologies	3.60 LPA
24	19A91A0114	G.S.K.S.G. Saimanik	Associate Professional	DXC Technologies	3.60 LPA
25	20A95A0145	Surampudi Naga Raju	Associate Professional	DXC Technologies	3.60 LPA
26	20A9A0111	Donam Sasikala	Associate Professional	DXC Technologies	3.60 LPA
27	20A95A0146	Tadala Narayana Swamy	Graduate Engineer Trainee	SDVVL	2.00 LPA
28	19A91A0161	Thoram Rajasri	Associate Professional	DXC Technologies	3.60 LPA

Industrial Vists

IInd Year, Civil Engineering Students (2021-25 Batch) are undergone the industrial visit to UltraTech RMC plant, Rajahmundry, Andhra Pradesh



IIIrd Year, Civil Engineering Students (2020-24 Batch) are undergone the industrial visit to UltraTech RMC plant, Rajahmundry, Andhra Pradesh



IVth Year, Civil Engineering Students (2019-23 Batch) are undergone the industrial visit to Irrigation projects at Yeleswaram, Andhra Pradesh



SAVE EARTH FROM PLASTIC BIRTH

Plastic pollution has become one of the most pressing environmental issues, as rapidly increasing production of disposable plastic products overwhelms the world's ability to deal with them. Plastic pollution is most visible in developing Asian and African nations, where garbage collection systems are often inefficient or non-existent. But the developed world, especially in countries with low recycling rates, also has trouble properly collecting discarded plastics. Plastic trash has become popular it has prompted efforts to write a global treaty negotiated by the United Nations. Plastics made from fossil fuels are just over a century old. Production and development of thousands of new plastic products accelerated many years back, so transforming the modern age that life without plastics would be unrecognizable today. Plastics revolutionized medicine with life-saving devices, made space travel possible, lightened cars and jets saving fuel and pollution and saved lives with helmets, incubators, and equipment for clean drinking water. The conveniences plastics offer, however, led to a throw-away culture that reveals the material's dark side: today, single-use plastics account for 40 percent of the plastic produced every year. Many of these products, such as plastic bags and food wrappers, have a lifespan of mere minutes to hours, yet they may persist in the environment for hundreds of years. Most of the plastic trash in the oceans, Earth's last sink, flows from land. Trash is also carried to sea by major rivers, which act as conveyor belts, picking up more and more trash as they move downstream. once at sea, much of the plastic trash remains in coastal waters. But once caught up in ocean currents, it can be transported around the world. The solutions is to prevent plastic waste from entering rivers and seas in the first place, many scientists and conservationists including the National Geographic Society say. This could be accomplished with improved waste management systems and recycling, better product design that takes into account the short life of disposable packaging, and reduction in manufacturing of unnecessary single use plastics.

20A95A0153

Yenumula V S L Soundarya Lahari

IMPACT OF INTERNET

Internet is boundless network. Through the internet, everyone can share the information and communication from anywhere. Internet helps everyone. But in my opinion, currently the utilization of internet is inaccurate. I want to share some impacts of internet on society.

IMPACT ON BRAIN:

the internet Reprogramming our brains for the worse. we depended more on technology and internet. We are unable to thinking about the problems and we are simply look up and retrieve online. Also, Extensive screen time will cause harmful effects like Chronic neck, obesity and sleeping problems. Overall, the excess usage internet will affect the people mentally and physically.

IMPACT ON RELATIONS:

internet has significantly changed the way that people live and work. High internet use may lead to conflict between the parents and teenagers for the lack of social skills. And it can mean people neglect the relations. The internet and mobile technology seems to bringing the world closer, but some surveys tell that traditional Indian support systems such as large extended families are now getting eroded even as the internet starts to intrude in our social relations and interactions.

IMPACT ON ENVIRONMENT:

Internet impact on environment is described as in terms of greenhouse gas emissions, internet use accounts for 3.7% of global emissions. There are two types of internet pollution. Pollution related to data centers and network infrastructure. it will also impact the traditional media. Finally, usage of internet has some Advantages and disadvantages.

CONCLUSION:

Finally, I want to disclose that “we all are setting time limits “to use the internet. And manage the time to spend with our families and try to much closer with environment and Try to Use the internet as resource to reshape the reality that we are live in.

NAME: G. Satya.
ROLL NO: 21A91A0168.

STEPS TO START A BUSINESS

- **Identifying a business Idea:** First step in creating a new venture. While starting a business you should identify an opportunity by using the sources like consumers, existing companies, distribution channels, government and R&D.
- **Conduct Market Research (Environmental Scanning):** Market research will tell you if there's an opportunity to turn your idea into a successful business. It's a way to gather information about potential customers and businesses already operating in your area. Use that information to find a competitive advantage for your business.
- **Feasibility Study:** A feasibility study contains a detailed analysis of what's needed to complete the proposed project. The report may include a description of the new product or venture, a market analysis, the technology and labor needed, as well as the sources of financing and capital. The report will also include financial projections.
- **Write your business plan:** Your business plan is the foundation of your business. It's a roadmap for how to structure, run, and grow your new business. You'll use it to convince people that working with you — or investing in your company — is a smart choice.
- **Fund your business:** Your business plan will help you figure out how much money you'll need to start your business. If you don't have that amount on hand, you'll need to either raise or borrow the capital. Fortunately, there are more ways than ever to find the capital you need.
- **Pick your business location:** Your business location is one of the most important decisions you'll make. Whether you're setting up a brick-and-mortar business or launching an online store, the choices you make could affect your taxes, legal requirements, and revenue.
- **Choose a business structure:** The legal structure you choose for your business will impact your business registration requirements, how much you pay in taxes, and your personal liability.
- **Choose your Business name:** It's not easy to pick the perfect name. You'll want one that reflects your brand and captures your spirit. You'll also want to make sure your business name isn't already being used by someone else.

Name: G.Vamsi

Roll Number: 21A91A0169





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