

INFOBYTE

MAGAZINE

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DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI, PERMANENTLY AFFILIATED TO JNTUK, KAKINADA

Chairman's Message

Dr. N Sesha Reddy



I believe in the philosophy of thought, word and deed as eternal which made Aditya what it is today.

My thought to set a high bar for the institutions I setup by rising to the challenges of the educational field and getting prepared for a life dedicated to the pursuit of knowledge, My word always reflected my vision and gained the conviction of the heads of the institutes and parents, And my deed which makes my home and workplace as extensions of each other by considering the staff and students as the members of my extended family shaped Aditya.

I know the value of a good education, more so because I did not have the benefit of the facilities that make the learning process smooth. I began my career as a lecturer, giving up my desire of qualifying for the Service Commission Examination. Out of my despair was born a strong determination which took the shape of Aditya Educational Institutions.

Challenges, Competition and the fear of failure are natural, but success embraces those who face these with a can-do attitude. For me, this can-do attitude is backed up by our state-of-the-art infrastructure, picturesque & inspiring setting and devoted team of faculty members and administrators. The learning ambience at all the constituting Institutions is perfectly suited for all-around growth and academic excellence. Today, the group has a proud record of evolving efficient, confident and highly knowledgeable technocrats, managers, pharmacists and entrepreneurs with global thinking and a futuristic mindset.

The present-day job market poses fresh challenges that need to be managed innovatively. Global Business Incubation Centre, Microsoft Innovation Centre, Technical Skill Development Institute, T-hub, Training and Placement Cell, GATE coaching etc., act as perfect vehicles for this.

I wish you all the best

Vice Chairman's Message

Dr. N Satish Reddy



As a direct product of Aditya I know how my father toiled to place Aditya on the academic map of the country through its various phases of expansion even under the most trying circumstances.

My Masters's degree from UTS Australia, the best university in the continent, has given me a deeper understanding and insight into the education system. This was coupled with the ideology of my father which enabled me to take the onus of steering Aditya. In succession, Aditya technical campus, Surampalem has been established to offer professional education in engineering, technology, management, and pharmacy with the core concept of quality and excellence.

Ever since its inception in 2001, the campus has registered speedy progress by upholding its abiding commitment to advance knowledge and educate students in science and technology. The prime aim of the campus is to make teaching and research relevant to the practical world.

The campus offers numerous opportunities for aspiring students which lay a strong foundation for the corporate world. T-Hub is a specimen of innumerable opportunities provided to students with enough competitive inputs to become T-shaped engineers, facilitate internship opportunities on the campus, develop partnerships with corporate and industry giants, etc. through its various programs.

The ultimate aim of Aditya is to make the campus the 'first stop' for companies in the recruitment process. In this regard training and placement, cell takes utmost care to groom students according to the needs of the industry.

Keeping in view the demands of the work environment which is beyond just knowledge and marks, a lot of emphasis is laid on the overall personality development of the students. Various clubs run by the students, events like VEDA (technical fest) and COLOURS (youth fest), etc. challenge the latent talent in the students and bring them to the fore.

Finally, a desire can change nothing, a decision can change something but a determination can change everything. For sure Aditya is strongly determined to provide its students with a successful career

Wish you good Luck!



SECRETARY'S MESSAGE

Mr. N Deepak Reddy

As we look to the future, one thing is certain - knowledge will be a key resource and will be highly sought-after around the world. To meet this, Aditya primarily focuses on educating and training students to work in fields where they will be valued both for their specialized knowledge and for their ability to research, communicate and solve problems.

Learning is not just confined to the classroom at Aditya. It is something beyond that in the form of conferences, workshops, seminars, guest lectures, Hackathons, Appons, project making, community initiatives, sports, cultures, clubs, and other co-curricular and extracurricular activities. These activities expose students to aspects beyond the curriculum, thus adding value to their professional success. The magnificent infrastructure of Aditya and the dynamic and qualified staff set the right ambiance for facilitating these activities.

Owing to my education in one of the best schools in India, The Good Shepherd School, Ooty, and the exposure I gained there, especially in the field of Information Technology, I am fully aware of the ever-increasing demand of the world.

With a close watch on the dynamics of the fast-changing world which urges the academicians to give the right impetus for making life-long learners, we ensure the ongoing relevance of our academic programs twined with substantial training on Industry-oriented employability skills and scientific assessment and evaluation. Also, with a belief that character, without which a man's thought may be useful to himself, would not be useful to society, we strive to create responsible students who are epitomes of the highest ethics and social conduct.

I am very delighted to express that the quality of Adityans is recognized by the employers who offer jobs to our students even before the announcement of the results. Our alumni are contributing to their professions and have earned senior positions in public & private sectors nationally and internationally.

Good Luck

Principal's Message



Dr. M Sreenivasa Reddy

**"THE WHOLE PURPOSE OF EDUCATION IS
TO TURN MIRRORS INTO WINDOWS.."**

- SYDNEY J.. HARRIS

Aditya Engineering College boasts professionalism personified by way of world-class campus amenities, sustaining quality education for the students to enhance their employability quotient. The holistic approach of the institute stimulates a paradigm shift towards 'Global education', and innovation students by inspiring fresh perceptiveness, creative thinking, and firm conviction to achieve true success.

With an aim to build the youth for the future, the college aims to nurture budding talents in the field of engineering and technology as per industry needs. The college with novel programs relentlessly tries to transform students' potential into rewarding careers resulting in national progress.

Best Wishes...

About Computer Science and Engineering

The Department was established in the year 2001 with an intake of 60. The intake was increased to 120 in the year 2005 and 180 in the year 2013. The department was accredited by NBA in the year 2008. The department has well-experienced and qualified faculty. The Department is recognized as a “Research Centre” by JNTUK, in the year 2018 and 2021.

The department aims at promoting quality and value-based education by harnessing the skills of students, creating awareness of the advancements in Computer Science and preparing them for the agile industry.

The department is offering UG & PG (CSE) programmes. The department is having CSI Students Chapter & ISTE Student and Faculty Chapters. The Department has Well-equipped Laboratories and a Centre of Excellence.

Vision of the Department

To emerge as a competent Centre of excellence in the field of Computer Science and Engineering for industry and societal needs.

Mission of the Department

MISSION 1

Impart quality and value based education

MISSION 2

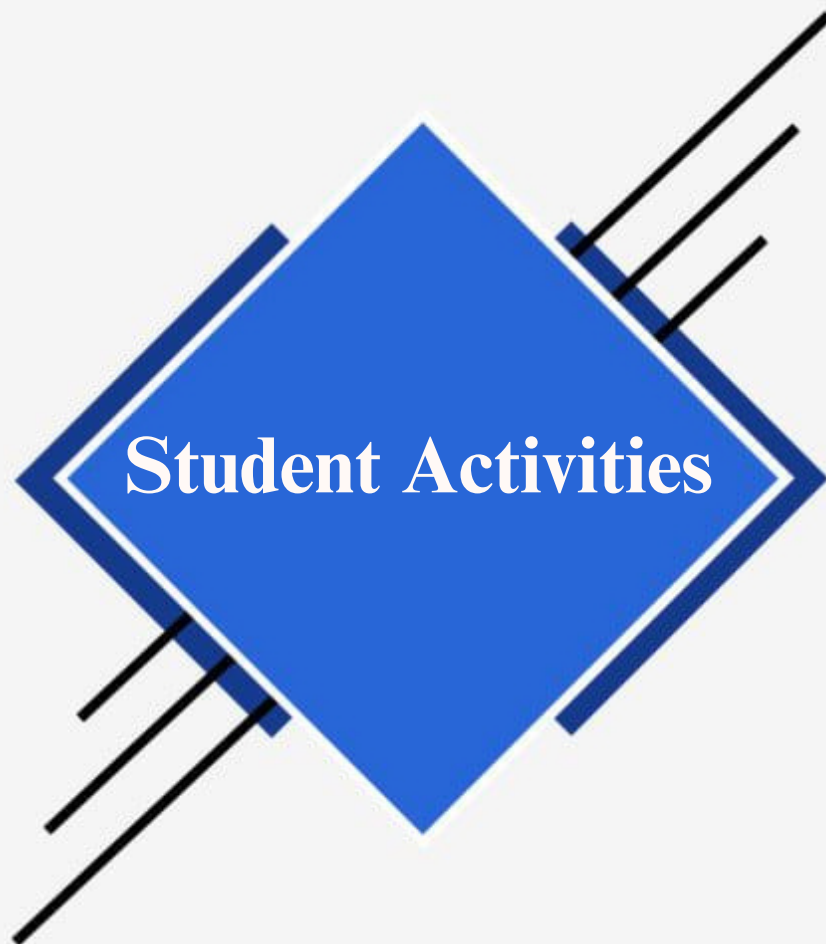
Inculcate the inter personal skills and professional ethics

MISSION 3

Enable research through state-of-the-art infrastructure

MISSION 4

Collaborate with industries, government and professional societies



Try Try Again

by T. H. Palmer

'Tis a lesson you should heed,
If at first you don't succeed,
Try, try again;

Then your courage should appear,
For if you will persevere,
You will conquer, never fear
Try, try again;

Once or twice, though you should fail,
If you would at last prevail,
Try, try again;

If we strive, 'tis no disgrace
Though we do not win the race;
What should you do in the case?
Try, try again

If you find your task is hard,
Time will bring you your reward,
Try, try again

All that other folks can do,
Why, with patience, should not you?
Only keep this rule in view:
Try, try again.

POEM

BY

M SRI HARSHITHA

20A91A05G4

PUZZLE

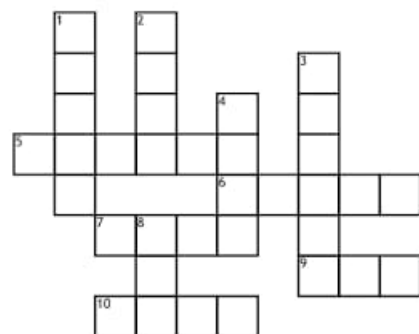
BY

BOYINA VENU

19A91A05D7

Name: _____ Date: _____

Binary Crossword



Across

- 5. A computer language
- 6. Rows and columns
- 7. A hidden message
- 9. horizontal column
- 10. No quantity

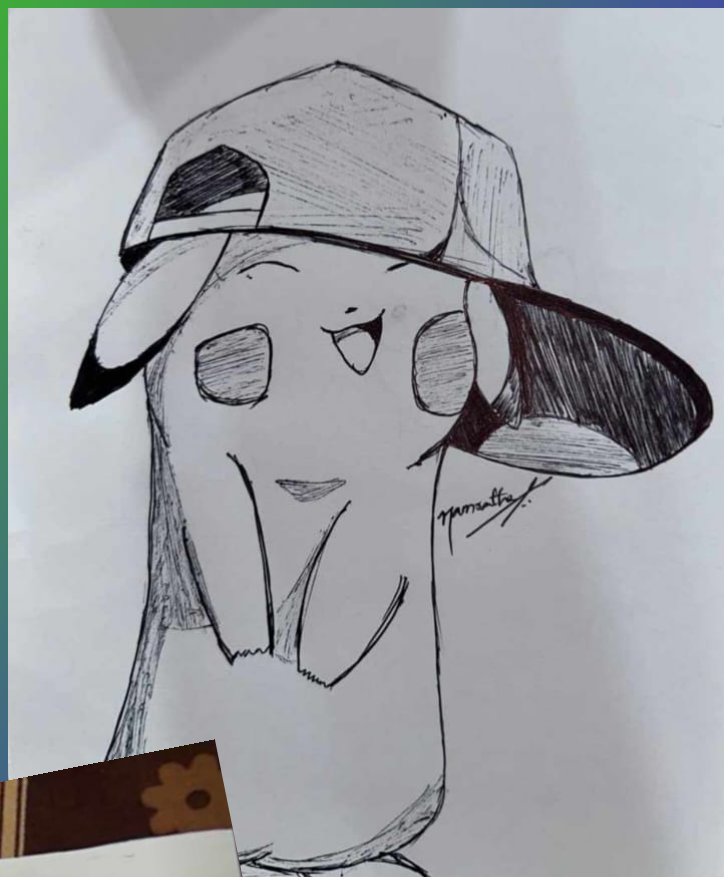
Down

- 1. A figure in a number
- 2. A group of information
- 3. 11, 8 ,46
- 4. A unit of memory size
- 8. A number bellow 5

PENCIL SKETCHES

M NAMRATHA

18A91A05E7



STUDENT ACHEIVEMENTS

జె.ఎన్.టి.యు.కె 'తైక్వాండో' టీమ్ కు ఆదిత్య విద్యార్థి ఎంపిక

పాపల్లోట (జుండన్ విజన్ స్కూల్): గండేపల్లి మండలం సూరంపాలెం అధిష్ట ఇంజనీరింగ్ కళాశాలకు చెందిన విద్యార్థి ఎ.ఆర్.బి.ఎస్. సూర్య జె.ఎన్.టి.యు.కె. యూనివర్సిటీ 'తైక్వాండో' టీమ్ లోకి ఎంపికైతనట్లు కళాశాల ప్రెసిడెంట్ డా. ఎం.శ్రీనివాస్ రెడ్డి తెలియపారు. ఈ నెల 20న ఎం.ఐ.సి. కందిక చర లో నిర్వహించిన జె.ఎన్.టి.యు. బోర్డుమెంట్, సెలక్షన్ ట్రయల్స్ మేన్ అండ్ ఉమెన్ లో పాల్గొన్న ఆదిత్య విద్యార్థులు ఎ.ఆర్.బి.ఎస్. సూర్య,బి.హర్ష శ్రీ సమీర పాల్గొని విశేష ప్రతిభ కనబరిచారు. పురుషుల విభాగంలో సూర్య బంగారు పతకం కైవసం



రేసుకోగా మహిళల విభాగం లో బి. హర్ష శ్రీ సమీర రజత పతకం సాధించారని డా. శ్రీనివాస్ రెడ్డి తెలిపారు. బంగారు పతకం సాధించిన సూర్య జె.ఎన్.టి.యు.కె. "తైక్వాండో" టీమ్ కు ఎంపిక అయినట్లు తెలిపారు. మర్రి నెల 21 నుంచి 24వరకు కేరళలో జరగను పోటీలలో పాల్గొంటారని తెలిపారు. ఈ సందర్భంగా విజేతలకు సహకరించిన ఫిజికల్ ట్రైనింగ్స్ ను ఆదిత్య విద్యాలనం నుల వైస్ చైర్మన్ డా. ఎన్. సతీష్ రెడ్డి,ప్రెసిడెంట్ డా. ఎం.శ్రీనివాస్ రెడ్డి, తదితరులు అభినందించారు. ఫిజికల్ ట్రైనింగ్స్ లు బి.రమేష్, సి.హెచ్.మురళి మోహన్, పాల్గొన్నారు.



ADITYA ENGINEERING COLLEGE (A)

Congratulations
to
A. R. B. S. Surya
18A91A0361
for getting Gold Medal
& being selected to
JNTUK Taekwondo player
and
B. Harsh Sri Sameera
19A91A0570
for getting Silver Medal
from JNTUK



ELOCUTION

ESSAY WRITING



QUIZ

PLANTATION



NSS CAMP

VACCINATION AND CORONA AWARENESS

NSS CAMP



BEST QUOTES

“If there is no struggle,
there is no progress.”
—Frederick Douglass

“The battles that count aren't
the ones for gold medals. The
struggles within yourself—the
invisible, inevitable battles
inside all of us—that's where
it's at.” —Jesse Owens

“If it makes you
nervous, you're
doing it right.”
—Childish
Gambino

COLLECTION BY
SURENDRA BHANDARI
19A91A05J7

TECHNICAL ARTICLES

VIRTUAL REALITY

Virtual Reality (VR) is a computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. This environment is perceived through a device known as a Virtual Reality headset or helmet. VR allows us to immerse ourselves in video games as if we were one of the characters, learn how to perform heart surgery or improve the quality of sports training to maximize performance.

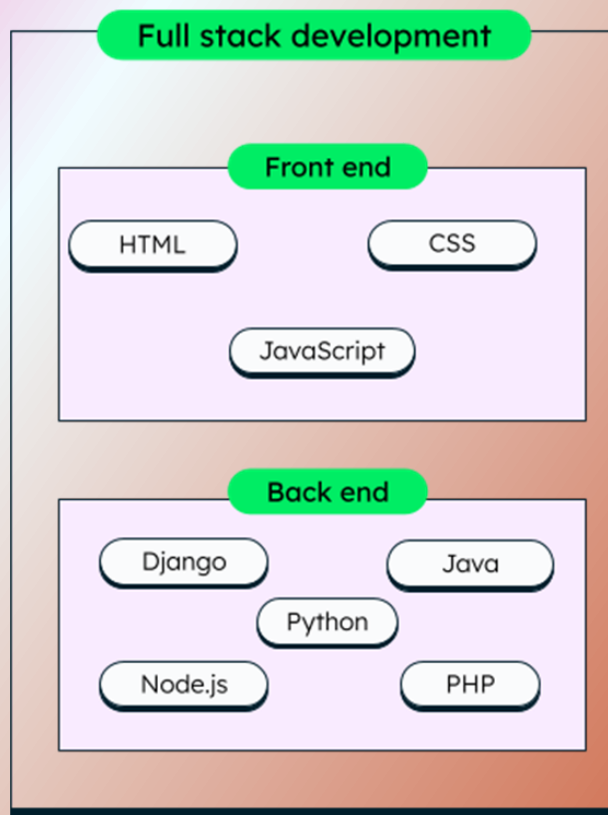
MAIN APPLICATIONS OF VIRTUAL REALITY:

Medicine, culture, education, and architecture are some of the areas that have already taken advantage of this technology. From guided museum visits to the dissection of a muscle, VR allows us to cross boundaries that would otherwise be unimaginable.



FULL STACK DEVELOPMENT

Full stack development refers to end-to-end application software development, including the front end and back end. The front end consists of the user interface, and the back end takes care of the business logic and application workflows.



A full stack developer is one who can single-handedly implement both the front-end and back-end workflows, like placing the order or changing the user profile.



KOLLI VEERA HARI SAI KUMAR
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