

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

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 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.

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

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



Student Activities

PENCIL SKETCHES



BY

P LAKSHMI SAI NAGA JAYA MANJUSHA

18A95A0516



Photography

BY
M LOKESH VARMA
19A91A05A1



BY
G SURYA MANIKANTA
17A91A0518



BY
K RAJESWARI
17A91A0527

RIDDLES

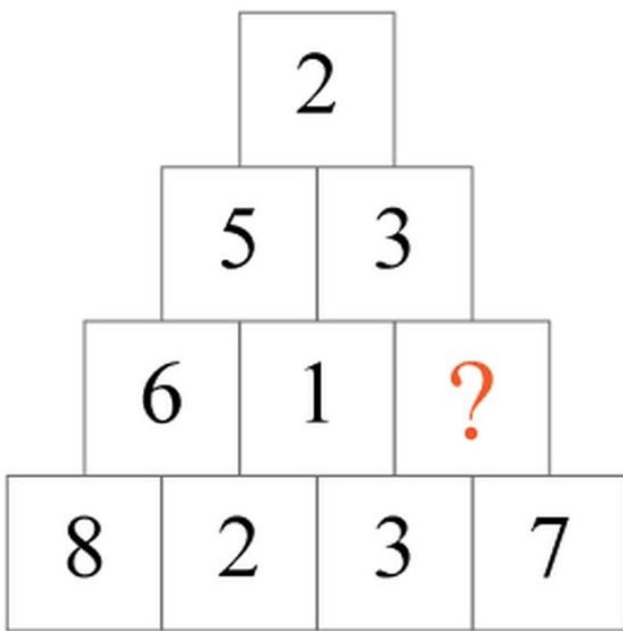
Which one has two zero
and two four ?

- A. 0024
- B. 2024
- C. 0044

BY

M RAJKUMAR

19A91A0532



Whats wrong in this picture?



Technical Articles

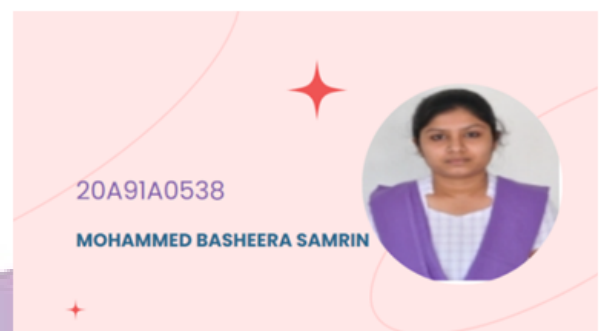
SCREEN LESS DISPLAY

Screenless display is the present evolving technology in the field of computer-enhanced technologies. It is going to be one of the greatest technological development in the coming future years.

Several patents are still working on this new emerging technology which can change the whole spectacular view of screenless displays.

Screenless display technology has the main aim of displaying (or) transmitting the information without any help of the screen (or) the projector. Screenless displays have become a new rage of development for the next GEN-X. Screenless videos describe systems for transmitting visual information from a video source without the use of the screen

Various companies have made significant breakthroughs in the field, including virtual reality headsets, the development of mobile phones for the elderly and partially blind people, and hologram-like videos without the need for moving of glasses.



BLOCKCHAIN

Although most people think of blockchain technology in relation to cryptocurrencies such as Bitcoin, blockchain offers security that is useful in many other ways. In the simplest of terms, blockchain can be described as data you can only add to, not take away from, or change. Hence the term “chain” because you’re making a chain of data. Not being able to change the previous blocks is what makes it so secure. In addition, blockchains are consensus-driven, so no one entity can take control of the data. With blockchain, you don’t need a trusted third party to oversee or validate transactions. Several industries are involved and implementing blockchain, and as the use of blockchain technology increases, so too does the demand for skilled professionals. From a bird’s eye view, a blockchain developer specializes in developing and implementing architecture and solutions using blockchain technology. The average yearly salary of a blockchain developer is ₹469K.

If you are intrigued by Blockchain and its applications and want to make your career in this trending technology, then this is the right time to start. To get into Blockchain, you need to have hands-on experience in programming languages, the fundamentals of OOPS, flat and relational databases, data structures, web app development, and networking.





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