

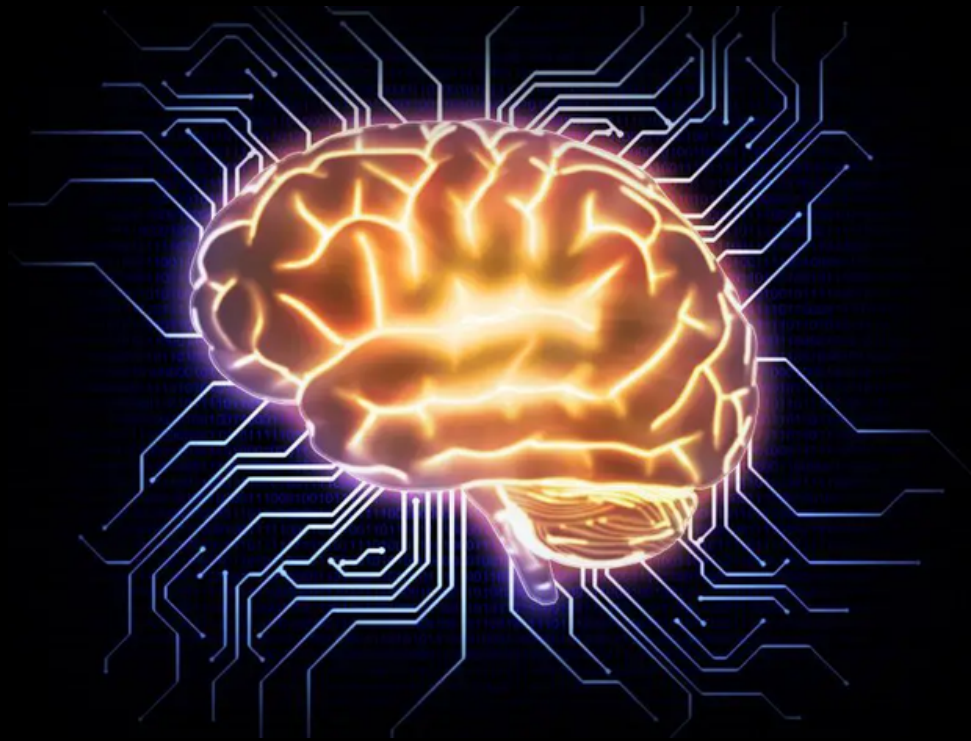
INFO BYTE

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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 Sesa 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 though 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 intake of 60. The intake was increased to 120 in the year 2005 and 180 in the year 2013. The department accredited by NBA in the year 2008. Department has well experienced and qualified faculty. The Department is recognized as “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 on the advancements in Computer Science and preparing them for the agile industry.

The department is offering UG & PG (CSE) programmes. Department is having CSI Students Chapter & ISTE Student and Faculty Chapters. The Department as 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

An abstract graphic featuring a cluster of overlapping, translucent, petal-like shapes. The colors range from deep teal and blue to bright orange and red, creating a vibrant, multi-colored effect. The shapes are layered, giving a sense of depth and movement. The background is dark, making the colors stand out.

Student Activities

PENCIL DRAWINGS

G PRAVALLIKA
(20A91A0521)





B Sanjana (20A91A05D7)



CODE POETRY

```
1  :root {
2    --sweet: #000000;
3  }
4
5  .rose {
6    color: red;
7  }
8
9  .violet {
10   color: blue;
11 }
12
13 .sugar {
14   color: var(--sweet);
15 }
16
17 #you {
18   color: var(--sweet);
19 }
```

BY
CH. TARUN
, 20A91A05E3

BY
ARIGELA SASI
VENKATESH,
20A91A0548

```
public class Of_superstition {
says<that<cat>> is;private void devils_pet()
{if(you.cross&its.whicked_way){}
it will = null; your<balls> away_to;}
public static void

main(String[] of_my_idea) throws Exception{
if(you.feel_like instanceof musketeer
& believe_in.engineer){}
int You = can.save + your.pointy_ears;
int This = world.fulfilled + with.fears;

while(you.feel_like.you& are.safe){
dont<forget> of, devils_sake;
int he = can.hunt + you.anywhere;
do{long thinking;}while(you.can);}}}

/* (C) Laurynas Ubys 2013 */
```

TECH BUZZ



Vivo introduces BlueOS, new operating system for smart devices

Vivo has announced BlueOS, a new operating system based on Rust Programming Language. It is designed for smart wearables and smart home devices, with a focus on privacy, AI capabilities, and efficient performance.

The new Vivo BlueOS will be launched with the upcoming Vivo Watch 3 smartwatch, which is set to debut by Mid November 2023.

KATTOJU VENKATA SAI DHANUSH
21A91A0521

TECHNICAL ARTICLES

COMPUTER CLOTHING

Wearable computer comprises of a computer built within ordinary clothing. This transformation allows it to be worn constantly, with the goal of becoming a seamless extension of body and mind. Equipped with various sensors which measure heart rate, respiration, footstep rate etc, the apparatus can function as a personal safety device for reducing crime, as well as personal health monitor for improving health care by encouraging individuals to take an active role in diagnosis and body maintenance.

Electronic circuits are built entirely out of textiles to distribute data and power and perform touch sensing. These circuits are passive components sewn from conductive yarns as well as conventional components to create interactive electronic devices, such as musical keyboards and graphic input surfaces.

P SAI GOWTHAM
21A91A05H8

NEUROMORPHIC COMPUTING

Neuromorphic computing is a method of computer engineering in which elements of a computer are modeled after systems in the human brain and nervous system. The term refers to the design of both hardware and software computing elements.

Neuromorphic engineers draw from several disciplines -- including computer science, biology, mathematics, electronic engineering and physics -- to create artificial neural systems inspired by biological structures.

A traditional computer chip architecture (known as the von Neumann architecture) typically has a separate memory unit (MU), central processing unit (CPU) and data paths. This means that information needs to be shuttled back and forth repeatedly between these different components as the computer completes a given task.

By collocating memory, a neuromorphic chip can process information in a much more efficient way and enables chips to be simultaneously very powerful and very efficient. Each individual neuron can perform either processing or memory, depending on the task at hand.

D SAI VARSHITHA
21A91A05C9



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