# TECHNO

#### MAGAZINE

VOLUME-6ISSUE-2(DEC-MAY)2022-23DEPARTMENT OF INFORMATION TECHNOLOGY

Aditya Engineering College(A)

Approved by aicte,new delhi and affiliated to jntuk Aditya nagar, ADB road, surampalam -533437,near Kakinada,e.g.dist,p.h:9949876662 Recognized by UGC under the section 2(f) and 12(b) of UGC act 1956



## 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 to the institutions I setup by rising to the challenges of the educational field and get prepared for a life dedicated to the pursuit of knowledge, My word which 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 in 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 the can-do attitude. For me this cando 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-round 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 futuristic mind-set.

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

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 degree from UTS Australia, the best university in the continent, has given me 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 the 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 opportunties 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.



Dr. N. Satish Reddy

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 a successful career

#### WISH YOU GOOD LUCK.

# SECRETARY'S MESSAGE



Sri . N K Deepak Reddy

As we 100k 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, Culturals, 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 ambience for facilitating these activities.

Owing to my education in one of the best schools of 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 demands 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 Industryoriented 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 the society, we strive to create responsible students who are epitomes of 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 in their professions and have earned seniorpositions in public & private sector nationally and internationally

#### **KEEP GOING!**

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

#### - SYDNEY J. HARRIS



#### DR. M. SREENIVASA REDDY

Aditya Engineering College boasts professionalism personified by way of world class campus amenities, sustain quality education for the students to enhance their employability quotient. The holistic approach of the institute stimulates a paradigm shift towards 'Global education', innovation students by inspiring fresh among perceptiveness, creative thinking and firm conviction to achieve true success. With an aim to build 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' potentials into rewarding careers resulting in national progress.

#### About the Department

Established as one of the major departments of the Institute, the Department of Information Technology at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions. Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power IT industries like DXC, TCS,

### **VISION OF THE DEPARTMENT**

To emerge as a premier department with quality of education, technical competency and innovations.

## MISSION OF THE DEPARTMENT •

# MISSION 1:

Provide an academic environment with quality infrastructure for solving real world problems and work in multi-disciplinary teams.

## MISSION 2 :

Impart value based education in innovative research and leadership aspects\_

## MISSION 3 :

Collaborate with the industry and academic towards addressing the evolving changes in Information Technology and related areas

# **Student Activities**



## **PENCIL SKETCH**



#### Arts by G. Swathi-20A91A1248, 2nd year IT

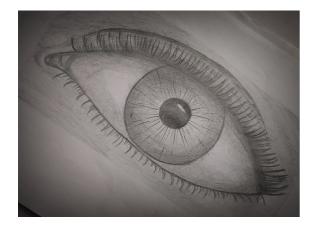






## **PIECE OF ARTS**





#### Arts by Y. Nischala-20A91A1260, 3rd year IT





## **PIECE OF ARTS**









#### Arts by V. Vaibhav-20A91A1254, 3rd IT

## POETRIES

වැති තතබ් දුරුම්භාණංස්හ මිව්හි, කංශි සභාභාණාස්බි හබේ මාස්වුන කාෂ්බ නිසිහි ද්පාක හතම කාර්ඩා කර්ඩා ද්පාක හතම කර්ඩා ක

నేడు నిరాశత్ ముగిసింథని నామనస్సును సన్న గిల్ల నివ్వరేదు. తొడివరకూ నా ఆశే మంచి జరుగుతుండిని ఆశిస్తూ నా కేపటిని మొదలు పెండతాను.

కాని రేఫు కూడా నా ఆశ నిరాశగానే మంగుస్తుందని నేను అశంచను ఎండుకంటే ఆశ, నిరాశ్రను కూడా ఆశింపడేస్తుండి. అదే ఎథంగా నిరాశ, ఆశను కూడా ఆవిరచేయాలదు. కాబట్టి నా ఆశ తుడి వరకూ జివిస్తుండనే ఆశిస్తాను. ఆశ, నిరాశల నడుమ జి8గే ఘర్ళణ నాకు ఎన్నెన్ళు పార్తాలను నేర్పిస్తోంది.

gez, -2888 8 x 230 Sozos.

#### 0000

డ్డతి వైక్తి జేయని, తెళ్లిదండ్రులు, మొత్రెల ఉగ్గర నుండి ఉమ, స్నేయాం, అనురాగాలను Coasocooo. రాని ఆ మూడూ ముగ్గురి నుండి టొరకచ్చు జారకక హాహామా తల్లి ఉండ్రల నుండి - చైమ, అను రాగాలను పొందవచ్చు उन्ही रीक्ट कार्य क्रिक स्टार्स తెందు కాండి కాల్లి, రాద్దు కాండి శ్రీయాల్లి ను పొండవాన్న පැහ හුකා හැග සින්න ස් భావాలను హించగలగే బంధం స్మేహం మాత్రమే. ಎಂಡುತುವ ತ್ವಾಸಂಧ್ರೆಲನಂಹಿ ಹಾಕ್ ಕಿನ ന്നും chroache ഒട്ടാങ് ന്ന് സമ്പ്പ് സ്ക്ക് പ്രത്തി 88 ద్ద8 దగ్గక 888<sup>3</sup> చేపు. ఈ మూడు భావాలను හතා ආශම්පත්ත, හත් ආක්ෂයක් බුලු හා කුට තා හා සි කරා ස

ස් බිලු හංතුං - (හය්, නිය හුගාත, වීය කාසුව දුකු කාර, කාර හුගාත, වීය හය, කාර සංකා දුකි බිලු කිරී හං හං හුගාත හිටි, ඉකාර ගුනානන හුකාරු කිරිහා සිදුහුංසි.) నూ స్థేహం కులవుతాలకు అతితం, అక్రి, అంతస్థులకు విభేదం. నౌరి శికే పు అండసౌంజర్వానికి వి భిన్నం , నిల్చం ఒకిరి జలోచనలు ద్రంకొశరికి అనుపంథానమవుతుంటాయి.

కేఫ్రాలలో తోడుగా ఉన్నవాడు మాత్రభే న్నేవాత్ర్యేడుకాడు కెఫ్రెం అనే ఛాయలను ద8చేశనియనివాడు నిజిపైన మొత్రేసం అనే ఛాయలను ద8చేశనియనివాడు నిజిపైన మొత్తు సాత్ర త్రాప్తి భూడం తల్చేవాడు మాత్రభే కాడు, ఆ గర్వాన్ని తలక్కరా ఎాదుని వారు, వాళ్ళు. ఇకలి అంటే అన్నం పెర్వు అమ్మారి మారతాతు. కెఫ్రం అంటే ఓకే తండ్రీలా ఎాదుళు నిలుబడేలాడు. నాథ ఆంటే ఒకే పాక్కున చేర్చుకొని ఫైశ్వం చెప్పే కి తాడుత్రు వర్చితాడు.

> ్య. ని. ని. బ్రి సినిల్ల

Written by N. Srinu Vinay-20A91A1235, 3rd IT

## PHOTOGRAPHY















#### Clicked by M. Sai Krishna-20A91A1210, 3rd IT

## **PHOTOGRAPHY**

















## **TECHNICAL ARTICLES**

Artificial intelligence (AI) is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. While AI is an interdisciplinary science with multiple approaches, advancements in machine learning and deep learning, in particular, are creating a paradigm shift in virtually every sector of the tech industry. Artificial intelligence allows machines to model, or even improve upon, the capabilities of the human mind. And from the development of self-driving cars to the proliferation of smart assistants like Siri and Alexa, AI is increasingly becoming part of everyday life — and an area companies across every industry are investing in. As technology advances, previous benchmarks that defined artificial intelligence become outdated. For example, machines that calculate basic functions or recognize text through optical character recognition are no longer considered to embody artificial intelligence, since this function is now taken for granted as an inherent computer function. AI is continuously evolving to benefit many different industries. Machines are wired using a cross-disciplinary approach based on mathematics, computer science, linguistics, psychology, and more.

#### How can we use AI?

Al comes in different forms that have become widely available in everyday life. The smart speakers on your mantle with Alexa or Google voice assistant built-in are two great examples of Al. Other good examples are popular Al chatbots, such as ChatGPT, the new Bing Chat, and Google Bard. When you ask ChatGPT for the capital of a country or you ask Alexa to give you an update on the weather, you'll get responses that are the result of machine-learning algorithms.



Written by V. Devi Priya-21A91A1235, 2nd IT

# EDITORIAL BOARD

### EDITOR-IN-CHIEF

Dr. M. Sreenivasa Reddy

#### **ASSOCIATE EDITORS**

Dr. M. V Rajesh, Professor & HOD

Mr. A. Lakshmana Rao, Assistant Professor

#### **ASSITANT EDITORS**

N. Srinu Vinay Kumar, 3rd B.Tech

B. Jahnavi, 2nd B.Tech

K. Sunil Reddy, 2nd B.Tech

B. Chaitanya Deepika, 2nd B. Tech

S. Charan, 2nd B.Tech