



Aditya College of Engineering and Technology

Department of Computer Science and Engineering

Dec 2019- May 2020

SPARKLE Magazine



Editorial Board

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COMPUTER SCIENCE & ENGINEERING

Welcome

Chairman's Desk



I accept within the reasoning of thought, word and deed as unceasing which made Aditya what it is today. My thought to set a tall bar to the educate I setup by rising to the challenges of the instructive field and get arranged for a life devoted to the interest of knowledge, My word which continuously reflected my vision and picked up the conviction of the heads of the establishing and parents, And my deed which makes my domestic and working environment as expansions of each other by considering the staff and understudies as the individuals of my amplified family molded Aditya. I know the esteem of a great instruction, more so since I did not have the good thing about the offices that make the learning prepare smooth.

Vice-Chairman's Desk

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 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



Secretary's Desk

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, 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. I am very delighted to express that the quality of Aditya's 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 senior positions in public & private sector nationally and internationally
Keep going!



Sri. N K DEEPAK REDDY
SECRETARY

Principal's Message



Education at ACET helps build Character, Strengthen the mind, expand the intellect and establish a culture of looking at problems in a new perspective. The student is put through rigorous training so that he can stand on his own feet after leaving the portals of the Institute.

HOD Message

The scope of computer science is endless. The students of the computer science and engineering are highly demanded by the recruiters of the top companies. Through innovative teaching-learning process a teamwork approach and leadership building experience, our students gain vital communication and critical-thinking skills. Our institution provides a platform for the students to enhance their employability skills through Industry Institute Collaboration.



M.Anil Kumar
HoD of CSE

About Department

Computer Science and Engineering

Since 2004, the Department of Computer Science and Engineering has been in operation. It has 120 students enrolled in B.Tech (Computer Science and Engineering) and 12 students enrolled in M.Tech (Computer Science and Engineering). With prominent technological domain Training & Development Industries, the Department of CSE has good relations and MOUs. Under the auspices of ACET, the Department of CSE inked MoUs with Infosys (Campus Connect), Microsoft (Campus Agreement), and APSSDC. It hosts exhibitions, conferences, seminars, and workshops for students and faculty from various Technical Educational Institutions in India. Our students have been placed in prominent MNCs such as Infosys, TCS, Tech Mahindra, Accenture, Cognizant, Samsung, and others, for deserved and prestigious packages ranging from 4.0 lakhs to 17.5 lakhs per annum. The department of CSE as a whole aims at the development of leading Computer Science Professionals with ethical values & societal concern

Placements Minutiae

Department of CSE Students are selected in Different Companies during the Year 2019-2020,

12/26/2019	SAVANTIS SOLUTIONS	3.50 LPA	16P31A0512	DEBOLINA PAUL
12/26/2019	SAVANTIS SOLUTIONS	3.50 LPA	16P31A0595	MAVURI SAI SUSMITHA
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0512	DEBOLINA PAUL
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0593	PRAVALLIKA MANCHINISSETTI
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0561	NINEESHA BHAVANI ADIREDDY
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A05B5	YAMINIMANI DEEPIKA YARRA
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0538	PRAVALLIKA SATYASRISAI NIMMAGADDA
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0516	SAI CHANDANA GUTTULA
10-01-2020	Tech Mahindra	2.6 To 3.25 LPA	16P31A0537	NAVIN KUMAR SINGH
21-12-2019	RAYBIZ			KALIDINDI RAHUL
22-12-2019	TECHNOLOGIES	2.40 LPA	16P31A0520	VENKATA BABA

“Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution.”

— Albert Einstein

Students Zone

Department of Computer Science & engineering Students are Participated in Cocurricular Activities On the Occasion Of Engineers Day

S.No	Name of the students	Topic	Venue
1	T. Santhosa Rani	Web Designo	Aditya Engineering College(A), Surampalem, Ap
2	G. Vijaya Lakshmi Sri	Web Designo	Aditya Engineering College(A), Surampalem, Ap
3	B. Chandana	Code Monkey	Aditya Engineering College(A), Surampalem, Ap
4	M. Vidya Devi Sree	Code Monkey	Aditya Engineering College(A), Surampalem, Ap
5	M. J R Naga Durga	Mind Bugglers	Aditya Engineering College(A), Surampalem, Ap
6	S. Sirisha	Mind Bugglers	Aditya Engineering College(A), Surampalem, Ap
7	N. Keerthana Reddy	Mind Bugglers	Aditya Engineering College(A), Surampalem, Ap
8	K. Usha Rani	Poster Presentation	Aditya Engineering College(A), Surampalem, Ap
9	Vinay Nalli	Human Machine Interface	Aditya Engineering College(A), Surampalem, Ap
10	R. S. P Chandra	Human Machine Interface	Aditya Engineering College(A), Surampalem, Ap
11	P. S. V Priya	Satellite Communication	Aditya Engineering College(A), Surampalem, Ap

Work Shops by Students

Department of Computer Science & Engineering organized a Three-Day workshop on “AWS Essentials” by Mr. K. Naga Sai Trainer Of APPSDC from 26/12/2019 to 28/12/2019 at ACET Computer Lab-3, Visveswaraya Bhavan. The program was held for IIIrd & IVth B.Tech CSE students. Around 61 students attended the program. ,



S.NO	ROLL.NO.	NAME OF THE STUDENT
1.	17P31A0502	AKURATHI JAHNAVI
2.	17P31A0503	BANDE SRI RAMA SURYA BHASKAR
3.	17P31A0504	RAMBHA VINAY KUMAR
4.	17P31A0505	BOTLA HEMA
5.	17P31A0506	CHAMARTHI SAI SURYA MADHURI
6.	17P31A0507	CHIKKALA KESAVA SAI CHARANMAYI
7.	17P31A0508	CHINTAKAYALA PAVAN
8.	17P31A0510	JAY SAI SANDEEP MEDICHARLA
9.	17P31A0511	KALLA BALA NAGA SWETHA
10.	17P31A0512	KALLAKURI SAI SINDHU
11.	17P31A0513	KARPURAM MANEESHA
12.	17P31A0514	KARRI ALEKHYA
13.	17P31A0515	KARRI JANA PRIYA
14.	17P31A0516	KARRI JAYASRI
15.	17P31A0517	KARRI PAAVANI SHRI DURGA
16.	17P31A0519	KOTHAPALLI SAI DURGA GREESHMANTH
17.	17P31A0520	KUNAL KISHORE
18.	17P31A0540	POTHULA RENU KUMAR
19.	17P31A0541	PYDI LEELA SAI PRIYA
20.	17P31A0542	RAJ YADAV

1.	17P31A0543	SATTI SATYA VENKATA SURYA NARAYANA REDDY
2.	17P31A0545	SEELAM GLORY
3.	17P31A0546	SUREDDI DEVI SAI SUNITHA
4.	17P31A0547	TADI SUNEETHA
5.	17P31A0549	THOTA KRISHNA TEJA
6.	17P31A0550	TOGARU VENKATA SURYA CHAKRA DORA
7.	17P31A0586	KOPPISETTI VEERA VENKATA SAI KAMAL
8.	17P31A0587	KORIPALLI HARSHITHA
9.	17P31A0588	KOSA PARVATHI DURGA LAKSHMI
10.	17P31A0589	LAVETI PAVAN KUMAR
11.	17P31A0590	MADARAPU SAICHANDRA
12.	17P31A0591	MADHU PRIYA
13.	17P31A0592	MALLIPUDI SATYA
14.	17P31A0593	MANDAVILLI PRATYUSHA
15.	17P31A0594	SUNIL KUMAR SAH
16.	17P31A0595	MUDDA DEVI
17.	17P31A0596	MUDUNOORI V V S S ANANTHA LAKSHMI
18.	17P31A0597	MUMMINA SAI KIRAN
19.	15P31A0577	JAGRITI KUMARI
20.	16541A0509	DWARAMPUDI SRI LAKSHMI PRASANNA
21.	16A61A0504	BALLA NAGA DURGA ALEKYA
22.	16A61A0510	BUSIM GOWRI SINDU MADHAVI
23.	16A61A0517	JANA SREE VISALAKSHI
24.	16P31A0501	APURV SHARAN
25.	16P31A0502	BALANTRAPU VENKATA LAHARI
26.	16P31A0503	BATCHU DURGA AISHWARYA
27.	16P31A0504	BONABOINA NAGABABU
28.	16P31A0505	BOSUKONDA SAHRUDAYA
29.	16P31A0506	BUDDIGA BRAMARANJALI
30.	16P31A0508	CHINTA SRINIVAS
31.	16P31A0569	BHAMIDIPATI VEERA VENKATA GOWTHAM SANDILYA
32.	16P31A0570	BOLLA ALEKYADEVI
33.	16P31A0571	BOLLU SIVARAJ KUMAR
1.	16P31A0573	SAMMANGI RAVI CHAITANYA
2.	16P31A0574	CHILUKURI VAISHNAVI
3.	16P31A0576	DASARI RAMARAO
4.	16P31A0578	GANDHAM NAGA SANTHOSHI SAI NANDAN
5.	16P31A0579	GANJI HARIKA VENKATA RAMANI
6.	16P31A0580	GANNAVARAPU C L PADMAVATHI PRIYANKA
7.	16P31A0581	GOLI RAJASEKHAR
8.	16P31A0582	GUMMADI TEJ ROY

Department of
Computer Science and Engineering

Happy New Year

2020

Faculty Achievements

ADITYA COLLEGE OF ENGINEERING&TECHNOLOGY
Surampalem, E.G(D), Andhra Pradesh
Department of Computer Science and Engineering

Faculty FDP/webinars/Seminars:

1	Mrs.K S B AMBIKA	FDP - Object Oriented Analysis and Design	NPTEL	Online	Aug-Oct 2019/56
2	Mr Chakka SVVSN Murthy	Workshop-NIRF	Aditya College of Engineering & Technology	Surampalem	17-10-2019/1
3	Mr Chakka SVVSN Murthy	Workshop- Quality enhancements measures in higher, technical, professional and management educational institutions with special focus on NIRF rankings	JNTU	Hyderabad	18-10-2019 to 19-10-2019/2
4	Mrs.K S B AMBIKA	FDP - Object Oriented Analysis and Design	NPTEL	Online	Aug-Oct 2019/56
5	N.Madhuri	Workshop - Engineering Exploration Project	JNTUK	Kakinada	10-11 Oct 2019/2days

Department of CSE Faculty International Journals (SCOPUS):

- 1.Kavitha, K., Lalitha, R.V.S., Suneetha, T.V., Usha Sree, Counterfeiting threats inIoT International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-1, November 2019,pp 2990-92.

Department of CSE Faculty International Journals (SCOPUS):

1.Mounika, R., Kavitha, K., Lalitha, R.V.S., An effective system to detect fake research, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-1, November 2019,pp 2971-2975

2.Abhishek Reddy, B., Kavitha, K., Manukonda, A.D., Lalitha, R.V.S., Krishna Rao, N.V., \ Semiequalizing load in multi-hop wireless networks, International Journal of Innovative Technology and Exploring Engineering (IJITEE)ISSN: 2278-3075, Volume-9, Issue-1, November 2019, 3047-3051.

ONLINE TEACHING AND LEARNING

Online learning is the newest and most popular form of distance education today. Within the past decade it has had a major impact on postsecondary education and the trend is only increasing. In this workshop we will explore what the experience of online learning is like for students and how it has changed the role of the instructor.

What is Online Learning?

Online learning is education that takes place over the Internet. It is often referred to as “e-learning” among other terms. However, online learning is just one type of “distance learning” - the umbrella term for any learning that takes place across distance and not in a traditional classroom. Distance learning has a long history and there are several types available today,

How It Works

In years past, instructors had to create their “virtual classrooms” from scratch which was difficult and often led to poor results. Today, an entire industry has emerged to do this for us. Course Management System (CMS) software is utilized by just about all colleges today. CMS allow instructors to design and deliver their courses within a flexible framework that includes a number of different tools to enable learning and communication to occur.



AMAZON WEB SERVICE

Amazon Web Services is a subsidiary of Amazon that provides APIs and cloud computing platforms. All marked services are distinguished by an extended technical infrastructure of an abstract type, building blocks, and distributed computing options. One such tool is EC2. It allows you to use a virtual PC cluster that is available over the Internet when you need it. The Department appeared in 2006, although development of the startup started four years earlier.

Infosys is a global leader in next-generation digital services and consulting.

We enable clients in more than 50 countries to navigate their digital transformation. With over three decades of experience in managing the systems and workings of global enterprises, we expertly steer our clients through their digital journey. We do it by enabling the enterprise with an AI-powered core that helps prioritize the execution of change. We also empower the business with agile digital at scale to deliver unprecedented levels of performance and customer delight. Our always-on learning agenda drives their continuous improvement through building and transferring digital skills, expertise, and ideas from our innovation ecosystem.



Microsoft

Microsoft Corporation is an American multinational technology corporation which produces computer software, consumer electronics, personal computers, and related services. Its best-known software products are the Microsoft Windows line of operating systems, the Microsoft Office suite, and the Internet Explorer and Edge web browsers. Its flagship hardware products are the Xbox video game consoles and the Microsoft Surface lineup of touchscreen personal computers. Microsoft ranked No. 21 in the 2020 Fortune 500 rankings of the largest United States corporations by total revenue. It was the world's largest software maker by revenue as of 2016.

Mphasis Limited is an Indian multinational information technology services and consulting company based in Bangalore, India. The company provides infrastructure technology and applications outsourcing services, as well as architecture guidance, application development and integration, and application management services. It serves financial services, telecom, logistics, and technology industries.

Mphasis was ranked #7 in India IT companies and overall #189 by Fortune India 500 in 2019.



Differnece between success and failure is doing things exactly correct and almost correct

- **Ch.S.N.V.N.Murthy**
Assot.prof

Machine Learning

For starters, machine learning is a core sub-area of Artificial Intelligence (AI). ML applications learn from experience (or to be accurate, data) like humans do without direct programming. When exposed to new data, these applications learn, grow, change, and develop by themselves. In other words, machine learning involves computers finding insightful information without being told where to look. Instead, they do this by leveraging algorithms that learn from data in an iterative process. The concept of machine learning has been around for a long time (think of the World War II Enigma Machine, for example). However, the idea of automating the application of complex mathematical calculations to big data has only been around for several years, though it's now gaining more momentum.

At a high level, machine learning is the ability to adapt to new data independently and through iterations. Applications learn from previous computations and transactions and use "pattern recognition" to produce reliable and informed results.

Christmas Celebrations

*Aditya collage of Engineering and Technology
Christmas celebrations held on 15 dec 2019*



NSS Activities

S.No	Name of the Activity
1	Distribution of Grocery Kits to Needy
2	Energy Drinks and Food Distribution to Front Warriors
3	7 Day Camp at Aanuru Village
4	Blood Donation Camp

Department of CSE Students Were Organized Different NSS Activities, Students are Distributes Food and Soft drinks to Covid Front Line Warriors & Distributes Grocery kits to Need of Poor Peoples in Covid Situvation time, NSS Unit 7 Days Camp in Annuru Panchayati ,Blood Donation Camp Done by CSE Students

Food Distribution to Covid Front Warriors





Grocery Distributes to Poor Peoples In Covid Pandemic Situvation Time

