



Aditya College of Engineering and Technology

Department of
Computer Science and
Engineering

Jun-Nov 2019

SPARKLE

Magazine

Connect to the Future

**SCOPE
THE
TECHNOLOGY**

Editorial Board

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J Narendra Kumar

Assist.Prof

Ch Sahithi

18P31A0516

M A Sindhu

18P31A0532

A Jahnvi

17P31A0502

Chairman's Message



Dr. N.SESHA REDDY
CHAIRMAN

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. 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.

Vice-Chairman's Message

As a direct product of Aditya, I know how hard my father worked to put Aditya on the academic map of the country during its many stages of expansion, even in the most trying conditions. My master's degree from UTS Australia, the continent's premier university, has given me a better grasp of the educational system. Aditya technical campus in Surampalem was constructed in the aftermath to provide professional education in engineering, technology, management, and pharmacy, with the underlying principle of excellence and quality. The campus has made rapid growth since its beginning in 2001 by upholding its unwavering dedication to advance knowledge and educate students in science and technology. The campus' main goal is to make teaching and research more relevant to the real world. The ultimate aim of Aditya is to make the campus the 'first stop' for companies in the recruitment process. 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.



Dr. N SATHISH REDDY
VICE-CHAIRMAN

Principal's Message



Dr. T. K. Rama Krishna Rao
PRINCIPAL

The major issues we confront can't be handled at the same level of reasoning that we used to create them." Albert Einstein is credited with coining the phrase "theory of relativity." Man can only achieve immortality through knowledge. To stay relevant, knowledge must extend or grow. The road to excellence is the world's toughest, roughest, and steepest. Only quality is required and rewarded in our world. To develop new knowledge, available information must be directed by wisdom and intellect. Education's new duty is to promote creativity. The only way to address current and future problems and discover dynamic answers is to think creatively. Technology should be used to aid in the eradication of poverty around the world. In truth, India is home to 40% of the world's poor. Capacity is a result of confidence.

Miracles are the result of one's faith in oneself. At ACET, education aims to develop character, strengthen the mind, broaden the intellect, and foster a culture of problem-solving. The student is placed through rigorous training so that when he leaves the Institute, he can stand on his own two feet.

HOD Message



M. Anil Kumar
M.Tech., Ph.D

Computer science has an incredibly broad scope. Students of computer science and engineering are in high demand among leading organizations' recruiters. Our students develop crucial communication and critical-thinking skills through an innovative teaching-learning process, a collaborative approach, and leadership experience. Through Industry Institute Collaboration, our school provides a platform for students to improve their employment skills.

Computer Science and Engineering

Department of Computer Science and Engineering has been successfully functioning since 2004. It offers B.Tech (Computer Science and Engineering) with an intake of 120 students and M.Tech (Computer Science and Engineering) with 12 students. Department of CSE has good interactions and MOUs with leading technology domain Training & Development Industries. Department of CSE under ACET, signed pacts in the form of MoUs with Infosys (Campus Connect), Microsoft (Campus Agreement), APSSDC. It organizes Exhibitions, Conferences, Seminars and Workshops for both students and Faculty belonging to various Technical Educational Institutions all over India. Our students are placed in various top MNCs like Infosys, TCS, Tech Mahindra, Accenture, Cognizant, Samsung etc., for deserving & esteemed packages of more than 4.0 Lakhs to 17.5 Lakh per Annum. Faculty of CSE are always dedicated and devoted towards the comprehensive development of their students by training them physically through enough sports & games; psychologically through technical competitions globally. The department of CSE as a whole aims at the development of leading Computer Science Professionals with ethical values & societal concern.



Department Mission

- *To be a center for excellence in Computer Science and Engineering education and innovation.*

Department Vision

- *Provide state of art infrastructure.*
- *Skill based learner centric teaching methodology.*
- *Organize socio-cultural events for better society.*
- *To undertake collaborative works with academia and industry.*
- *Encourage students and staff self-motivated, problem solving individuals using Artificial Intelligence.*
- *Encourage entrepreneurship in young minds.*

PSO's

PSO 1: The ability to design and develop computer programs for analysing the data.

PSO 2: The ability to analyse data & develop Innovative ideas and provide solution by adopting emerging technologies for real time problems of software industry.

PSO 3: To encourage the research in software field that contribute to enhance the standards of human life style and maintain ethical values



Big data is a combination of structured, semi structured and unstructured data collected by organizations that can be mined for information and used in machine learning projects, predictive modeling and other advanced analytics applications.

Systems that process and store big data have become a common component of data management architectures in organizations, combined with tools that support big data analytics uses. Big data is often characterized by the three V's:

- the large volume of data in many environments;
- the wide variety of data types frequently stored in big data systems; and
- the velocity at which much of the data is generated, collected and processed.

These characteristics were first identified in 2001 by Doug Laney, then an analyst at consulting firm Meta Group Inc.; Gartner further popularized them after it acquired Meta Group in 2005. More recently, several other V's have been added to different descriptions of big data, including veracity, value and variability.

Although big data doesn't equate to any specific volume of data, big data deployments often involve terabytes, petabytes and even exabytes of data created and collected over time.

Companies use big data in their systems to improve operations, provide better customer service, create personalized marketing campaigns and take other actions that, ultimately, can increase revenue and profits. Businesses that use it effectively hold a potential competitive advantage over those that don't because they're able to make faster and more informed business decisions.

Big data is also used by medical researchers to identify disease signs and risk factors and by doctors to help diagnose illnesses and medical conditions in patients. In addition, a combination of data from electronic health records, social media sites, the web and other sources gives healthcare organizations and government agencies up-to-date information on infectious disease threats or outbreaks.

B. Manikalya Rao

Assistant .Professor

OUR FACULTY

Computer Science and Engineering

| S.No | Name | Designation |
|-------------|----------------------------|----------------------|
| 1 | Dr. T. K. RAMA KRISHNA RAO | Principal, Professor |
| 2 | Dr. R SRINIVAS | Professor |
| 3 | Dr. S P RAMA SREE | Professor |
| 4 | Dr. CH S V S N MURTHY | Professor |
| 5 | Dr. CH SANJIV RAO | Professor |
| 6 | Mr M ANIL KUMAR | Associate Professor |
| 7 | Ms R SAILAJA | Associate Professor |
| 8 | Mr. BOLLU MANIKYALA RAO | Assistant Professor |
| 9 | Mr. A MOHAN | Associate Professor |
| 10 | Mr. M BHRAMA REDDY | Assistant Professor |
| 11 | Ms. SHAIK VAHIDA | Assistant Professor |
| 12 | Ms. P PADMAJA | Assistant Professor |
| 13 | Ms. NAGARAPU MADHURI | Assistant Professor |
| 14 | Ms. R LALITHA | Assistant Professor |
| 15 | Ms. S B AMBIKA | Assistant Professor |
| 16 | Ms. J D LALITHA SRI | Assistant Professor |
| 17 | Ms. N M J DEBORAH | Assistant Professor |
| 18 | Mr.G A K S RAJIV KUMAR | Assistant Professor |
| 19 | Mr. S S R K M G AMANTHULA | Assistant Professor |
| 20 | Mr. L NAGENDRA KUMAR | Assistant Professor |
| 21 | Mr. K VENKATESH | Assistant Professor |
| 22 | Ms. J L SARWANI | Assistant Professor |

"Better than a thousand days of diligent study is
one day with a great teacher"

Technical Events:

| S. No | Date | Name of the event | Name of the coordinator/s | Resource person details | No of participants |
|-------|------------|---|---------------------------|--|--------------------|
| 1 | 17-09-2019 | One Day Guest Lecture on Nano Technology | J.Divya Lalitha Sri | Dr. L Lal Kishore Former Vice-Chancellor of JNTUA, | 71 |
| 2 | 20-09-2019 | A Seminar on Significance of Patents and Policy Of Intellectual Property Rights | J.Divya Lalitha Sri | Dr. P S Ranjit Ph.D Professor-Dept. of Mechanical Eng., | 100 |



Department of CSE Organized Guest Lecture



Department of CSE Organized Seminar

Faculty FDPS Attended

| S.NO | NAME | NAME OF FDPS | ORGANIZER |
|------|---------------------|----------------------------|-----------|
| 1. | M Anil Kumar | Network security | NITTR |
| 2. | N. Madhuri | FDP Software testing tools | AEC |
| 3. | A Mohan | FDP Software testing tools | AEC |
| 4. | M Bhrama Reddy | FDP Software testing tools | AEC |
| 5. | U Nagendra Kumar | FDP Software testing tools | AEC |
| 6. | K Venkatesh | FDP Software testing tools | AEC |
| 7. | R LALITHA | FDP Software testing tools | AEC |
| 8. | S B AMBIKA | FDP Software testing tools | AEC |
| 9. | J D LALITHA SRI | FDP Software testing tools | AEC |
| 10. | J N M J DEBORAH | FDP Software testing tools | AEC |
| 11. | G A K S RAJIV KUMAR | FDP Software testing tools | AEC |

“Software is like entropy: It is difficult to grasp, weighs nothing, and obeys the Second Law of Thermodynamics, i.e., it always increases.” — Norman Augustine

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Magazine

Practice dosen't make a man perfect, Perfect practice make a man perfect

- **N. Madhuri**
Asit.prof

Cloud Computing

Cloud computing is the delivery of different services through the Internet. These resources include tools and applications like data storage, servers, databases, networking, and software.

Rather than keeping files on a proprietary hard drive or local storage device, cloud-based storage makes it possible to save them to a remote database. As long as an electronic device has access to the web, it has access to the data and the software programs to run it.

Cloud computing is a popular option for people and businesses for a number of reasons including cost savings, increased productivity, speed and efficiency, performance, and security.

- **Sk Vahida**
Assit.prof

Placements Minutiae

| S. No | DATE | Regd.No | Student Name | COMPANY NAME | SALARY PACKAGES |
|-------|--------------------------|------------|-----------------------------------|--------------|--|
| 1 | 16-08-2019 17-08-2019 | 16P31A0558 | Rachana Pachigolla | LTI | 3.50 To 5.00 LPA |
| 2 | 16-08-2019 17-08-2019 | 16P31A05C0 | Makhdum Ashraf | LTI | 3.50 To 5.00 LPA |
| 3 | 16-08-2019 17-08-2019 | 16P31A0578 | Gandham Naga Santhoshi Sai Nandan | LTI | 3.50 To 5.00 LPA |
| 4 | 16-08-2019 17-08-2019 | 16P31A0502 | Balantrapu Venkata Lahari | LTI | 3.50 To 5.00 LPA |
| 5 | 16-08-2019 17-08-2019 | 16P31A0546 | Sampurna Bhowmick | LTI | 3.50 To 5.00 LPA |
| 6 | 14-08-2019 19-08-2019 | 16A91A0568 | BONAM NAVEEN | MAQ | 4.32 To 6.00 LPA |
| 7 | 14-08-2019 19-08-2019 | 16P31A0557 | ASHISH KUMAR | MAQ | 4.32 To 6.00 LPA |
| 8 | 26-08-2019 27-08-2019 | 16P31A0449 | SIDDA MOUNIKA JYOTHSNA | GGK TECH | Training: 2.40 LPA After Training: 4.50 LPA |
| 9 | 26-08-2019 27-08-2019 | 17P35A0502 | Satish Durga Shankar Kanakala | GGK TECH | Training: 2.40 LPA After Training: 4.50 LPA |
| 10 | 8/8/2019 | 16P31A0521 | Padma Kallakuri | TCS NQT | 3.36 LPA |
| 11 | 8/8/2019 | 16P31A0574 | Vaishnavi Chilukuri | TCS NQT | 3.36 LPA |
| 12 | 8/8/2019 | 16P31A0558 | Rachana Pachigolla | TCS NQT | 3.36 LPA |
| 13 | 8/8/2019 | 16P31A0584 | Sunanda Kanamathareddy | TCS NQT | 3.36 LPA |
| 14 | 8/8/2019 | 16P31A0581 | Rajasekhar Goli | TCS NQT | 3.36 LPA |

*A dream becomes a goal, when
is taken towards its achievement*

| DATE | COMPANY NAME | PACKAGE | ROLL.NO | STUDENT NAME |
|--------------------------|--|---------------------|------------|---------------------------------------|
| 12-10-2019 13-10-2019 | Hexaware Technologies | 3.00 LPA | 16P31A0570 | <u>Bolla Alekya Devi</u> |
| 12-10-2019 13-10-2019 | Hexaware Technologies | 3.00 LPA | 16P31A0539 | PAKKI SIVA SAI PRASANTHI |
| 03-10-2019 04-10-2019 | Amazon AWS | 19.00 LPA | 16P31A0584 | <u>Sunanda Kanamatha reddy</u> |
| 15-11-2019 16-11-2019 | VAISHNAVI INFORMATION TECHNOLOGIES | 4.00 LPA | 16P31A05B0 | Shubham Kumar Gupta |
| 15-11-2019 16-11-2019 | VAISHNAVI INFORMATION TECHNOLOGIES | 4.00 LPA | 16P31A05B8 | Mukesh Kumar |
| 11/20/2019 | FULL CREATIVE TECHNOLOGIES | 2.75 To 3.00 LPA | 16P31A0593 | MANCHINISETTI PRAVALLIKA |
| 26/11/2019 | INFOSYS | 3.50 LPA | 16P31A0596 | DIVYA SRI MEDAPATI |
| 26/11/2019 | INFOSYS | 3.50 LPA | 16P31A0510 | <u>HAARIKA CHODISETTI</u> |
| 26/11/2019 | INFOSYS | 3.50 LPA | 16P31A05B9 | <u>GARAPATI VASAVI</u> |
| 26/11/2019 | INFOSYS | 3.50 LPA | 16P31A0574 | <u>Chilukuri Vaishnavi</u> |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16541A0509 | DWARAMPUDI SRI LAKSHMI PRASANNA |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16P31A0557 | ASHISH KUMAR |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16P31A0530 | KUMPATLA SWARNAMBIKA |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16P31A0533 | MALNEEDI SAI SATYA SRI MEGHANA |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16P31A0570 | BOLLA ALEKYADEVI |
| 18-10-2019 19-10-2019 | WIPRO | 3.50 LPA | 16P31A0587 | KOKA SINDHUSHA |
| 12/20/2019 | WEB SYNERGIES | 3 to 3.2 LPA | 16P31A0522 | KALTURI SATYA DEVI |
| 21-12-2019 22-12-2019 | RAYBIZ TECHNOLOGIES | 2.40 LPA | 16P31A0520 | KALIDINDI RAHUL VENKATA BABA |

| | | | | |
|------------|--------------------|-----------------|------------|-----------------------------------|
| 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 |

Achievement Minutiae

Student Event Achievements

| S. No | Name of the students | Name of the event | Topic | Venue |
|-------|----------------------|-------------------|---|---|
| 1 | Vinay Nalli | Veda2K19 | Poster Presentation Human Machine Interface | Aditya Engineering College(A), surampalem, AP |
| 2 | R. S. P.Chandra | Veda2K19 | Poster Presentation Human Machine Interface | Aditya Engineering College(A), surampalem, AP |
| 3 | P. S. V Priya | Veda2K19 | Poster Presentation Human Machine Interface | Aditya Engineering College(A), surampalem, AP |
| 4 | Ch. Rohit Venkat | Veda2K19 | Poster Presentation Human Machine Interface | Aditya Engineering College(A), surampalem, AP |

Student Internship details

| S. No | Roll Number | Student Name | Company Name | Year |
|-------|-------------|-----------------------|--------------|------|
| 1 | 18P31A0505 | AMIT KUMAR | AUGMENTIK | 2019 |
| 2 | 18P31A0513 | BITTU KUMAR | TECHHOOK | 2019 |
| 3 | 18P31A0599 | SUPRIYO CHOWDHURY | TERABOTS | 2019 |
| 4 | 18P31A0583 | KOVVURI S N G SRIDEVI | PICSHORT | 2019 |
| 5 | 18P31A0573 | DIPANKAR MANDAL | EDUFABRICA | 2019 |



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.



NSS ACTIVITIES

DEPARTMENT OF CSE STUDENTS PARTICIPATED IN VARIOUS NSS EVENTS



*Plantation of saplings at
Anmuru village, Peddamuram*



*In partnership with General Hospital
Kakinada blood donation camp kakinada held
a blood at ACET*

Workshop Minutiae



APSSDC Workshop
on "React JS" for CSE
2nd year Students

APSSDC Workshop
on "AWS Cloud
Computing" for CSE
3rd year Students



Faculty Zone

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., Semi-equalizing 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.
3. Kavitha, K., Lalitha, R.V.S., Suneetha, T.V., Usha Sree, Counterfeiting threats in IoTInternational Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9, Issue-1, November 2019,pp 2990-92.
- 4 .Kavitha, K., Lalitha, R.V.S., Lalitha, J.B., Suneetha, T.V., Data offloading for effective rescue operations during fire disaster management, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1,October2019,5319-5321.
<https://www.ijeat.org/wpcontent/uploads/papers/v9i1/A2965109119.pdf>

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 |

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Students Testimonials



K.Meher Supreeth

16P31A0589

'O" Try to make you see in a good place" Aditya college is one of the biggest colleges with 180 acres which is providing good facilities for the students for studying, doing enterpenuirship, improving our soft skills, improving our technical skills with T-HUB, Leadership foundation, our college, veda etc. We are getting a very good knowledge in our own groups. The interaction with the teachers is very good. Every teacher is like a father or mother and every student is a brother or sister. I thank Aditya Group for putting the whole big family in a single place called Aditya Group of Institutions



B.V Lahari

16P31A0502

Don't wait for an opportunity create it ' is what Aditya is teaching me about. This world is full of challenges my college and its team are doing a tremendous job in teaching the students not only from our state nor India but from different countries the way to face them and make their own life. A colorful one. Through C.R.T classes and many projects and workshops we are trained to take up on any kind of challenge. Aditya is helping me in many ways to pave my path towards a bright future.

Gallery

