



ADITYA

COLLEGE OF ENGINEERING
AND TECHNOLOGY

Department of
Information Technology

JUNE - NOVEMBER 2019-2020

mind SPARK *Magazine*

Sparking
**A LEARNING
REVOLUTION**

Editorial Board

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Chairman's Message



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 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-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.

Information Technology

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 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 a successful career

Wish you good luck.

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Principal's Message



Dr. T. K. Rama Krishna Rao
PRINCIPAL

The significant problems we face cannot be solved at the same level of thinking we were at when we created them." - Albert Einstein. It is only through knowledge that man attains immortality. Knowledge has to expand or grow to remain knowledge. The road to excellence is toughest, roughest and steepest in the Universe. The world requires and honors only excellence. Available information has to be directed by wisdom and intelligence to create new knowledge. Promotion of creativity is the new role of education. It is only through creative thinking that the present and future problems can be addressed to find dynamic solutions. Technology should be used to help remove poverty from the world. In fact 40% of the world's poor are in India. Confidence leads to capacity. It is faith in oneself that produces miracles. 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.

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Head of Department



MR.R V V N BHEEMA RAO
HOD

Today the branch of Information Technology is becoming pervasive as technology is changing rapidly in the field of computer science. So the process of learning should not end with the acquisition of a degree.

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INFORMATION TECHNOLOGY

The main source and strength of the department is its faculty, the department maintains the faculty as per the ratio, the main focus of the faculty members is to provide in-depth knowledge to the students in the respective course. The undergraduate program is emphasized on theoretical and practical aspects, apart from these the students are nurtured to participate in online coding competitions like TCS Hack Quest, Microsoft Imagine Cup, etc., the department has taken an initiation to expose the student towards the online coding platforms like Hackerrank, Code Chef. The department possesses computer labs with high end configuration and also CM Skill Excellence Center and also possesses a good placement record. Department of Information Technology organizes various workshops and seminars to the students to get an exposure in par with the trends in technology. Current industry needs a student with an exposure and skill set in Database Management, Artificial Intelligence, Web Development, Cloud Architecture, Project Management, etc., So the program driven by the department is managed to make the student industry ready.

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Department Mission

To provide an environment for the development of professionals with knowledge and skills

To promote innovative learning

To promote innovative ideas towards society

To foster trainings with institutional collaborations

To involve in the development of software applications for societal needs

Department Vision

To be a department with high reputation and focused on quality education

Information Technology

PSO'S

PSO 1:

Apply mathematical foundations, algorithmic and latest computing tools and techniques to design computer-based systems to solve engineering problems.

PSO 2:

Apply knowledge of Engineering and develop software-based applications for research and development in the areas of relevance under realistic constraints.

PSO 3:

Apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product.

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Artificial Intelligence

Before leading to the meaning of artificial intelligence let understand what is the meaning of Intelligence-

Intelligence: The ability to learn and solve problems. This definition is taken from webster's Dictionary.

The most common answer that one expects is "to make computers intelligent so that they can act intelligently!", but the question is how much intelligent? How can one judge intelligence?

...as intelligent as humans. If the computers can, somehow, solve real-world problems, by improving on their own from past experiences, they would be called "intelligent".

Thus, the AI systems are more generic(rather than specific), have the ability to "think" and are more flexible.

Intelligence, as we know, is the ability to acquire and apply knowledge. Knowledge is the information acquired through experience. Experience is the knowledge gained through exposure(training). Summing the terms up, we get artificial intelligence as the "copy of something natural(i.e., human beings) 'WHO' is capable of acquiring and applying the information it has gained through exposure."

Need for Artificial Intelligence

1. To create expert systems that exhibit intelligent behavior with the capability to learn, demonstrate, explain, and advise its users.
2. Helping machines find solutions to complex problems like humans do and applying them as algorithms in a computer-friendly manner.

AI has developed a large number of tools to solve the most difficult problems in computer science, like:

- Search and optimization
- Logic
- Probabilistic methods for uncertain reasoning

Many times, students get confused between Machine Learning and Artificial Intelligence, but Machine learning, a fundamental concept of AI research since the field's inception, is the study of computer algorithms that improve automatically through experience. The mathematical analysis of machine learning algorithms and their performance is a branch of theoretical computer science known as a computational learning theory.

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Faculty Publications

Dr.R.V.S.Lalitha , Real Time Data Analytics of traffic analysis in vehicular Ad hoc Networks using DAAS, 2nd National Conference on Current trends in Engineering and Technology (NCCTET-2K19), 15-16, March 2019, Srinivasa Institute of Engineering and Technology, Amalapuram.

Conferences, Seminars and Workshops- Attended

S no.	Name of the faculty	Name of the Event	Name of the Organizer	place/ Location	Dates/ Duration
1.	Kovvuri N Bhargavi	Machine Learning	APSSDC	Aditya College of Engineering & Technology Surampalem	22-10-2019 to 26-10-2019
2.	Haritha Darisi	A Three day Workshop on Engineering Exploration Project	Aditya College of Engineering College	Surampalem	13-11-2019 to 15-11-2019

Research Publications

S No	Name of the Faculty as Author	Title of the research paper	Name of the Journal/Conference	Date/s
1	Dr Ch V Raghavendran	Performance Analysis of classification methods in predicting possibility for Diabets of a patient	International conference on Emante and Innovative Trends in Engineering,Management and sciences(ICEITEMS- 2019)	08-11-2019 to 09-11-2019
2	Dr Ch V Raghavendran	House Price Prediction Using Machine Learning	International Journal of Innovative Technology and Exploring Engineering	9-072019
3	Regella Venkata Satya Lalitha	Smart Surveillance with Smart Doorbell	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	08-06-2019

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Workshops

Workshop on programming skills development for Faculty



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Workshop On Python



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Dussehra Event

(October 8th, 2019)

Vijayadashami also known as Dussehra, Dasara or Dashain, is a major Hindu festival celebrated at the end of Navaratri every year. It is observed on the tenth day in the Hindu calendar month of Ashvin, the seventh month of the Hindu Luni-Solar Calendar, which typically falls in the Gregorian months of September and October.



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International Students Day

(November 17th, 2019)

International Students' Day is an international observance of the student community, held annually on 17 November. Originally commemorating the Czech universities which were stormed by Nazis in 1939 and the students who were subsequently killed and sent to concentration camps, it is now marked by a number of universities, sometimes on a day other than 17 November, as a nonpolitical celebration of the multiculturalism of their international students.



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Participated in NSS Camps

Plantation of Saplings at aanuru panchayat	09-09-2019
Blood Donaiton Camp	21-08-2019
Essay Writing and Quiz competition on role of science on human Development for Pharmacy Students	30-07-2019
Dental Camp	15-07-2019

- **Planting of Saplings(09-09-2019)**

Department of IT Students Participated in Plantation Of Saplings at Annuru Village, PeddapuramMandal, Eastgodavari, Different Activities are Carried Out During the Camp.



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- **Blood Donation Camp(15-07-2019)**

Our NSS unit, in partnership with GOVERNMENT GENERAL HOSPITAL, KAKINADA, held a blood donation camp, during which 283 units of blood were donated by students and staff members of our ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY. It is a gesture by Aditya





- Dental Camp(15-07-2019)



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VEDA(TECH FEST).



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Students Acheivements

2019-2020 - Prize winner:

S. No	Name of the students	Name of the event	Topic	Venue	Date	Award
1	Bolisetti Lakshmi Alekhya (IV-16-4)	Veda 2k19	Paper Presentation On Image Processing	Aditya Engineering College(A), Surampalem	15/9/19	Second
2	Pallekala Srikala (II-18-32)	Veda 2k19	Poster Presentation On 5G	Aditya College Of Engineering, Surampalem	15/9/19	First
3	Satyavarapu Sri Ram (IV-18-39)	Medha	Paper Presentation On Cyber Security	Giet , Rajahmundry	14/9/19	Second
4	Pentapati Naga Lavanya (IV-16-37)	Medha	Poster Presentation On 5G	Giet , Rajahmundry	14/9/19	Second

2019-20 - Participated:

S. No	Name Of The Students	Name Of The Event	Topic	Venue	Date
1	M. Apparana Sindhu	Veda 2k19	Paper presentation on IMAGE PROCESSING	Aditya Engineering College(A), Surampalem	15/09/2019
2	Maddipati Siri Chandana	Veda 2k19	Paper presentation on DATA science	Aditya Engineering College(A), Surampalem	15/9/2019
3	Triparagiri Achyuth Kumar	Veda 2k19	Paper presentation on cyber security	Aditya College Of Engineering, Surampalem	15/9/2019
4	Varupula Sri Sai Amrutha	Medha	Poster presentation on cloud computing	Giet, Rajahmundry	14/9/19
5	Akella Venkata Sairam Dharmateja	Medha	Paper presentation on cloud computing	Giet, Rajahmundry	14/9/19
6	Garaga Haritha Devi	Veda 2k19	Paper presentation on IOT	Aditya Engineering College(A), Surampalem	15/9/2019

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7	Kancharla J D V S Vara Prasad	Veda 2k19	Paper Presentation On ARTIFICIAL Intelligence & Machine Learning	Aditya Engineering College(A), Surampalem	15/9/2019
8	Anubhav Kumar	Veda 2k19	Paper Presentation On Computer Networks	Aditya Engineering College(A), Surampalem	15/9/2019
9	DUGGINA MOHITHA	Veda 2k19	Paper Presentation On Cloud Computing	Aditya College Of Engineering, Surampalem	15/9/2019
10	J .Anusha	Veda 2k19	Poster Presentation On 5G	Aditya Engineering College(A), Surampalem	15/09/2019
11	R.Vaishnavi	Veda 2k19	Poster Presentation On 5G	Aditya College Of Engineering, Surampalem	15/09/2019
12	B.Chanadana	Veda 2k19	Paper Presentation On IMAGE PROCESSING	Aditya Engineering College(A), Surampalem	15/09/2019
13	M.S.Nandini Devi	Veda 2k19	POSTER Presentation On CLOUD COMPUTING	Aditya Engineering College(A), Surampalem	15/09/2019
14	V.Bhargavi Priya	Veda 2k19	Post Presentation On CLOUD COMPUTING	Aditya College Of Engineering, Surampalem	15/09/2019
15	Priyanka Kachhap	Veda 2k19	Paper Presentation On IMAGE PROCESSING	Aditya Engineering College(A), Surampalem	15/09/2019
16	Sanipini Lakshmi Parvati Devi	Veda 2k19	Paper Presentation On IOT	Aditya Engineering College(A), Surampalem	15/09/2019
19	Muthina Subrahmanya Nandini Devi	Veda 2k19	Paper Presentation On Block Chain	Aditya Engineering College(A), Surampalem	15/09/2019

IV-IT PLACEMENTS



S.No	Reg.No	Name Of The Student	Company Name	Designation	Ctc
1.	16P31A1203	Bipin Kumar Soni	Vaishnavi Information Technologies	Associate Professional Software Engineer	4.00 LPA
2.	16P31A1205	Boppana Tejaswini	Innovinc	Program Coordinator	1.68 LPA
3.	16P31A1210	Ganta Ramesh	Cgi	Associate Software Engineer	3.50 LPA
4.	16P31A1216	K Pratyusha	Techera IT Consulting Pvt Ltd	Trainee	1.50 LPA
5.	16P31A1217	Satish Kotha	Dxc Technologies	Associate Professional Software Engineer	4.00 LPA
6.	16P31A1220	Krovvidi Madhurima	Tcs	Associate Software Engineer	3.36 LPA
7.	16P31A1221	Kuchipudi Ajay Kumar	Tech Mahindra	Associate Software Engineer	2.6 To 3.25 LPA
8.	16P31A1223	Naga Siva Shankar Ganeshula	Tavant Technologies	Project Trainee	4.25 LPA
9.	16P31A1224	Maddipati Siri Chandana	Hexaware Technologies	Associate Professional Software Engineer	3.00 LPA
10.	16P31A1225	Supriya Mallidi	Systematix Infotech	Software Engineer - Trainee	2.20 LPA to 2.40 LPA
11.	16P31A1226	Mamidi Madhavika	Deloitte	Intern - Analyst	2.5 LPA
12.	16P31A1227	Sri Prathyusha Manda	Tech Mahindra	Associate Software Engineer	2.6 To 3.25 LPA

Tech Mahindra

DXC TECHNOLOGY

Deloitte

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DEPARTMENT OF IT & MCA

CONGRATULATIONS ON YOUR SELECTION

CGI



16P31A1210
Ganta Ramesh



Principal, HODs & Staff

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