



ADITYA
COLLEGE OF ENGINEERING
AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

JUNE TO NOVEMBER 2018-2019

MIND SPARK

MAGAZINE

**SPARKING
A LEARNING REVOLUTION**

Editorial Board

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Asst.Prof

N.SURYA KALA

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J.PRANAVI

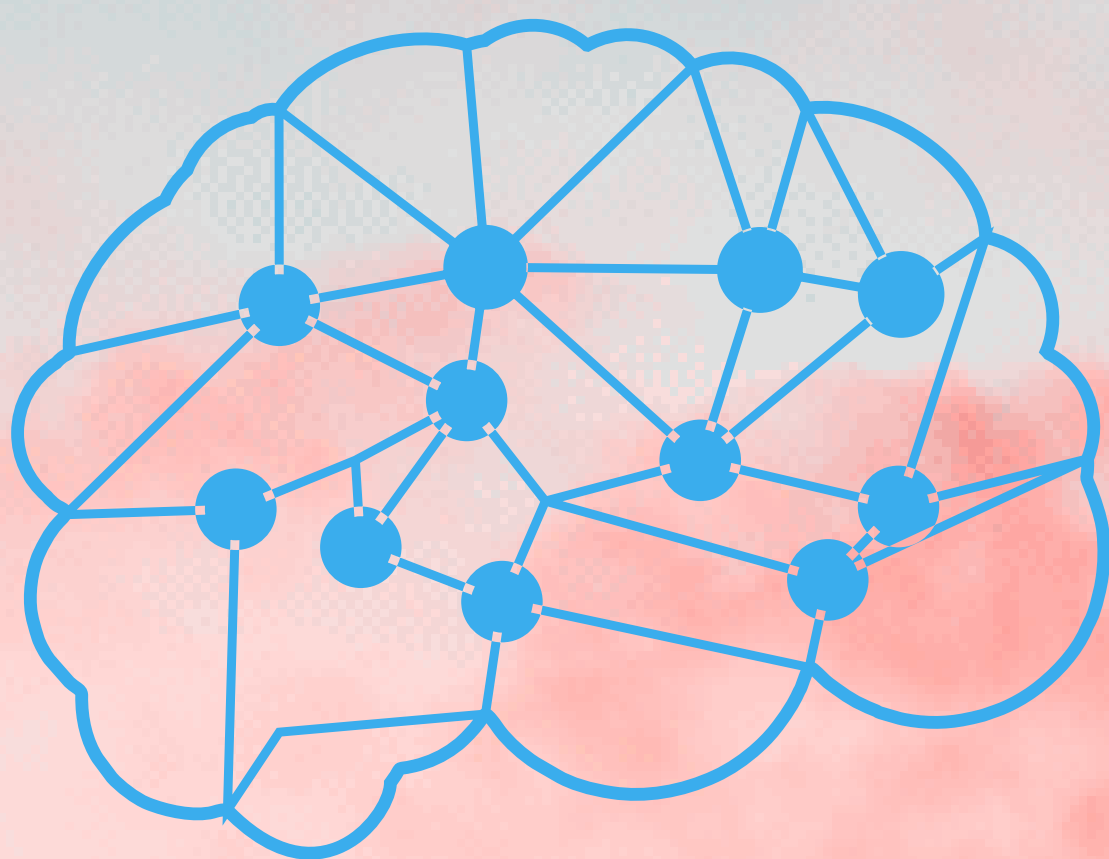
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B.L.ALEKHYA

16P31A1204

D.NAVYA SRI

15P31A1208



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.



DR. NALLAMILLI SESA REDDY
CHAIRMAN

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.



DR.N.SATISH REDDY

VICE CHAIRMAN

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.

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.

Information Technology

HOD's Message



MR. R V V N BHEEMA RAO
HEAD OF THE DEPARTMENT

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.

Information Technology

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.

Information Technology

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.

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.

FULL STACK

Full stack technology refers to the entire depth of a computer system application, and full stack developers straddle two separate web development domains: the front end and the back end.

The front end includes everything that a client, or site viewer, can see and interact with. By contrast, the back end refers to all the servers, databases, and other internal architecture that drives the application; usually, the end-user never interacts with this realm directly.

The easiest way to put the full stack into perspective is to imagine a restaurant. The front end encompasses the well-decorated, comfortable seating areas where visitors enjoy their food. The kitchen and pantry make up the “back end” and are typically hidden away from the customer’s view. Chefs (developers) gather permanently stored materials from the pantry (the database) and perform operations on it in the kitchen (the server), and then serve up fully-prepared meals (information) to the user.

Front end developers work to optimize the visible parts of an application for web browsers and mobile devices. Front end platforms are usually built with HTML, CSS, and JavaScript; however, they can also be made via pre-packaged code libraries or content management systems like WordPress. Back end developers, in contrast, refine the software code that communicates with servers, databases, or other proprietary software that conveys information to front end interfaces.

Those knowledgeable in both front end and back end are called full stack developers, meaning they are well versed in both disciplines.

- Working with CSS, HTML, and JavaScript, along with CSS preprocessors, to craft client-facing platforms
- Managing databases and servers
- Coding for functionality across multiple languages and platforms
- Communicating with specialized developers and the graphic design team to deliver the best possible product
- Keeping up with emerging technology that may serve the business’ needs
- Prototyping minimal viable products for communication with company stakeholders

PLACEMENT DETAILS



S.NO	REG.NO	NAME OF THE STUDENT	COMPANYNAME	DESIGNATION	CTC
1.	15P31A1201	Appasani Uma	Gradatim IT Ventures (India) Pvt Ltd	Software Engineer	
2.	15P31A1202	Miss Arpana Snehi	Atos Syntel	Associate Consultant	3.50 LPA
3.	15P31A1203	B V V Nagendra Akshay	TCS		
4.	15P31A1204	Botla Gayathri	Atos Syntel	Associate Consultant	3.50 LPA
5.	15P31A1205	Miss Chinthapalli Mahitha Chowdary	Savantis	Associate Trainee Engineer	1.83 LPA
6.	15P31A1207	Miss Darisipudi Surya Naga Venkata Lakshmi	Path front	Assistant System Engineer	1.80 LPA
7.	15P31A1208	Dasari Navya Sri	IB Hubs		
8.	15P31A1210	Miss Garji Supriya Venkata Kalyani	Savantis	Associate Trainee Engineer	1.83 LPA
9.	15P31A1212	Gunnam Lakshmi Sai Swetha	OTSI		
10.	15P31A1218	Mr. Kodamasimham Vijay Kumar	Pathfront	Assistant System Engineer	1.80 LPA
11.	15P31A1219	Kolasani Mahima	Atos Syntel	Associate Consultant	3.50 LPA



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DEPARTMENT OF IT & MCA

CONGRATULATIONS ON YOUR SELECTION

Atos | Syntel



15P31A1243
Miss Talabathula Lakshmi
Jyothi



Principal, HODs & Staff

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15P31A1231
Miss Nadipalli Savithri
Sahitya

Capgemini



Principal, HODs & Staff

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15P31A1219
Kolasani Mahima



Principal, HODs & Staff

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15P31A1204
Botla Gayathri



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15P31A1202
Miss Arpana Snehi



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Cognizant



15P31A1234
Nemani Sowmya
Chowdary



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genpact



15P31A1226
Miss Kovvuri Veena
Swaroopa



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GRADATIM
Insurance & Banking System, Analytics



15P31A1201
Appasani Uma



Principal, HODs & Staff

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15P31A1208
Dasari Navya Sri



Principal, HODs & Staff

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY



ONAM CELEBRATIONS



Mind Spark

INDEPENDENCE DAY celebration



Information Technology

FDPS, SEMINARS AND WORKSHOPS **BY FACULTY**

S.No.	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Thiruveedula Srinivasulu	Certified Cyber Security Professional Workshop	Rajarajeswari Medical College Campus (RRMCH)	Bangalore	23-06-2018 to 24-06-2018
2	Kovvuri N Bhargavi	FDP on Internet of Things	Aditya College of Engineering & Technology	Surampalem	04-06-2018 to 05-06-2018
3	Kovvuri N Bhargavi	Introduction to Machine Learning	NPTEL-AICTE	online	August – October 2018
4	Kovvuri N Bhargavi	Deep Learning for BioInformatics	Aditya College of Engineering & Technology	Surampalem	28-09-2018 to 29-09-2018
5	Kovvuri N Bhargavi	Machine Learning and Deep Learning	Electronics & ICT Academy	NIT Warangal and Aditya Engineering College	10-11-2018 to 15-11-2018
6	Regella Venkata Satya Lalitha	Deep Learning for BioInformatics	Aditya College of Engineering & Technology	Surampalem	28-09-2018 to 29-09-2018

Faculty Publications

S. No	Name of the faculty	Main Author/other	Title of the Paper	Name of the Conference	Date	To
1	Kovvuri N Bhargavi	Dr. G. Jayasuma	Adapting IT based solution by forming Bayesian Networks on Google Maps for Emergency Informatics during disaster management Situations	International Conference on Computational Intelligence in Data Science (ICCIDS)	02-06-2017	03-06-2017
2	Regella Venkata Satya Lalitha	Regella Venkata Satya Lalitha	Mitigating Internet of Things serving to public Health Care systems : Medical Entrepreneurs	International Conference Entrepreneurship and Management	30-06-2017	01-07-2017

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CONFERENCE ATTENDED BY FACULTY

2018-2019

Name of the Faculty as Author	No of Authors	Main Author/ others	Title of the Paper	Name of the Conference	Date/s	Organized by with location
Regella Venkata Satya Lalitha	1	Regella Venkata Satya Lalitha	Real Time data analytics of traffic analysis in Vehicular Ad hoc Networks using DAAS	National Conference on Current Trends in Engineering and Technology (NCCTET)	15-03-2019 to 16-03-2019	Srinivasa Institute of Engineering and Technology

ENGINEERS DAY EVENT(VEDA)



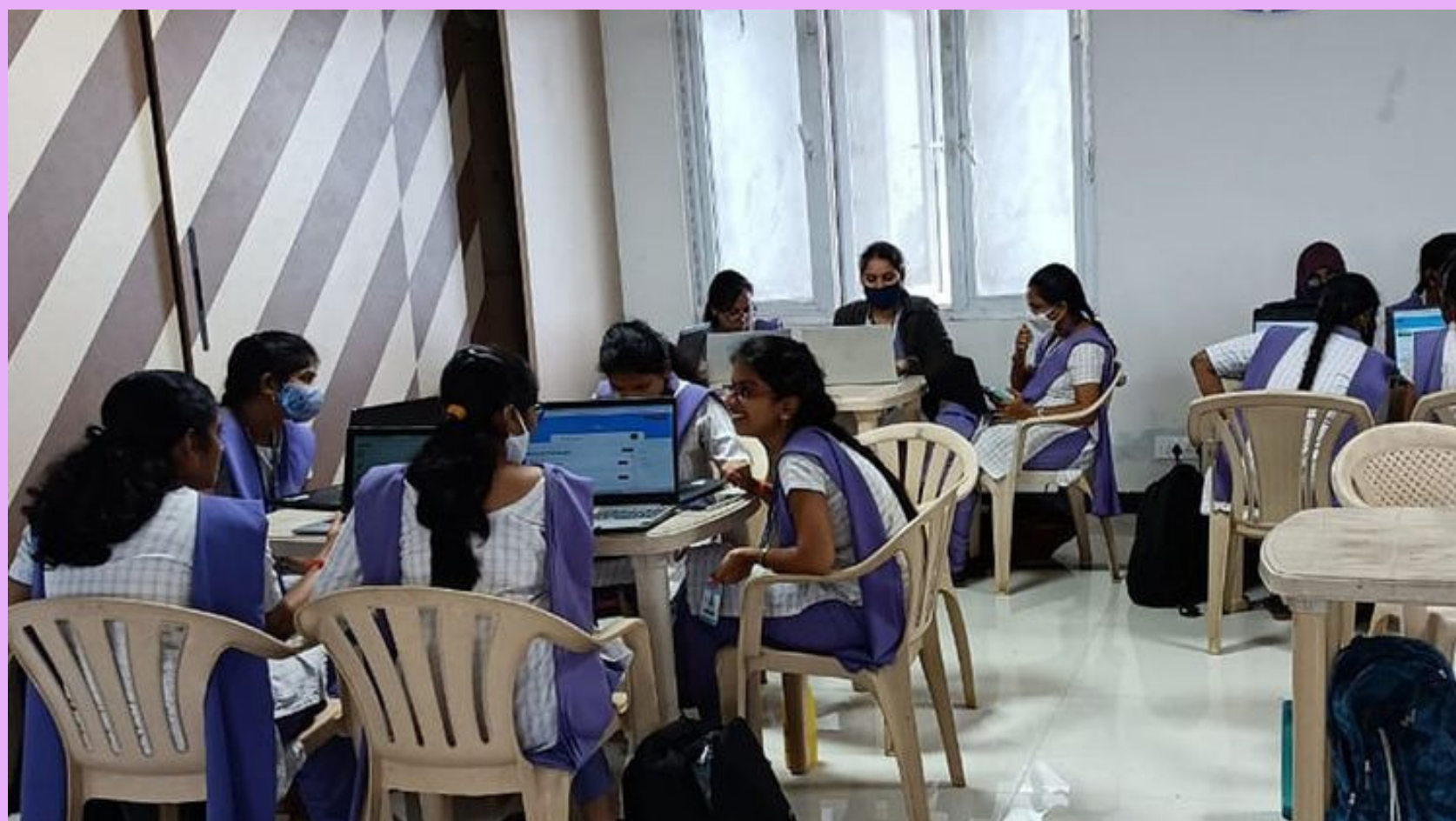
Information Technology



PRIZE WINNERS IN TECH FEST

2018-19 Prize winner						
S.No	Name of the students	Name of the event	Topic	Venue	Date	Award
1	ARPANA SNEHI	VEDA 2K18	Paper presentation on IOT	Aditya College Of Engineering, Surampalem	15/9/18	first
2	KROVVIDI MADHURIMA	VEDA 2K18	Poster presentation on image processing	Aditya College Of Engineering, Surampalem	15/9/18	second
3	MAMIDI MADHAVIKA	STRIDES	Paper presentation on machine learning	Pragati College, Surampalem	9/1/19	first

WORKSHOP ON DATA STRUCTURES IN REAL LIFE



Information Technology

WORKSHOP ON ANDROID DEVELOPMENT WITH KOTLIN



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BLOOD CAMP



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