



ADITYA

COLLEGE OF ENGINEERING
AND TECHNOLOGY

Department of Information Technology

DEC-MAY 2019-20

MIND SPARK

magazine

Sparking
**A LEARNING
REVOLUTION**

Editorial Board

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17P31A1227

P.SATYA PRIYA
18P31A1230

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.

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



Dr. N SATHISH REDDY
VICE-CHAIRMAN

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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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 repute and focused on quality education.

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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.

Internet of Things (IoT)

Internet of Things (IoT) is the networking of physical objects that contain electronics embedded within their architecture in order to communicate and sense interactions amongst each other or with respect to the external environment. In the upcoming years, IoT-based technology will offer advanced levels of services and practically change the way people lead their daily lives. Advancements in medicine, power, gene therapies, agriculture, smart cities, and smart homes are just a very few of the categorical examples where IoT is strongly established.

Over 9 billion 'Things' (physical objects) are currently connected to the Internet, as of now. In the near future, this number is expected to rise to a whopping 20 billion.

The Internet of Things is the latest big buzz around the globe. It is in demand technology which is closest to a human being, closest to his or her lifestyle. It is based on machine-to-machine communication, cloud computing and network of data gathering sensors. The basic motto behind IoT is that it assures that it will make everything from a light bulb to railway stations "smart".

When we talk about IoT, we usually talk about M2M (machine-to-machine) relationships but M2M is not everything. The most important aspect is cloud. Via cloud only the machines can access data anytime anywhere and work without any glitches and give smooth outputs. The data transfers are conducted through sensors.

Let us understand through an example. Suppose the electric cables used on metro train bridges are made up of copper from inside and that copper is replaced by smart copper. Smart copper is nothing but copper having sensors which are wirelessly connected to cloud which is later connected to machines wirelessly. So in future if there will be any breakage or any other kind of physical or functional damage to the wire, the sensors will record and transfer relevant report to the respective authority wirelessly via cloud.

This is no different but is a further intelligent connection between things and devices, people, processes and data. It makes sensor's information more meaningful, secure and more stable. It helps the business ecosystem to groom.

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Surampalem, E.G(D), Andhra Pradesh, 533437

Department of Information Technology

Academic Year 2019-2020



Faculty Publications.

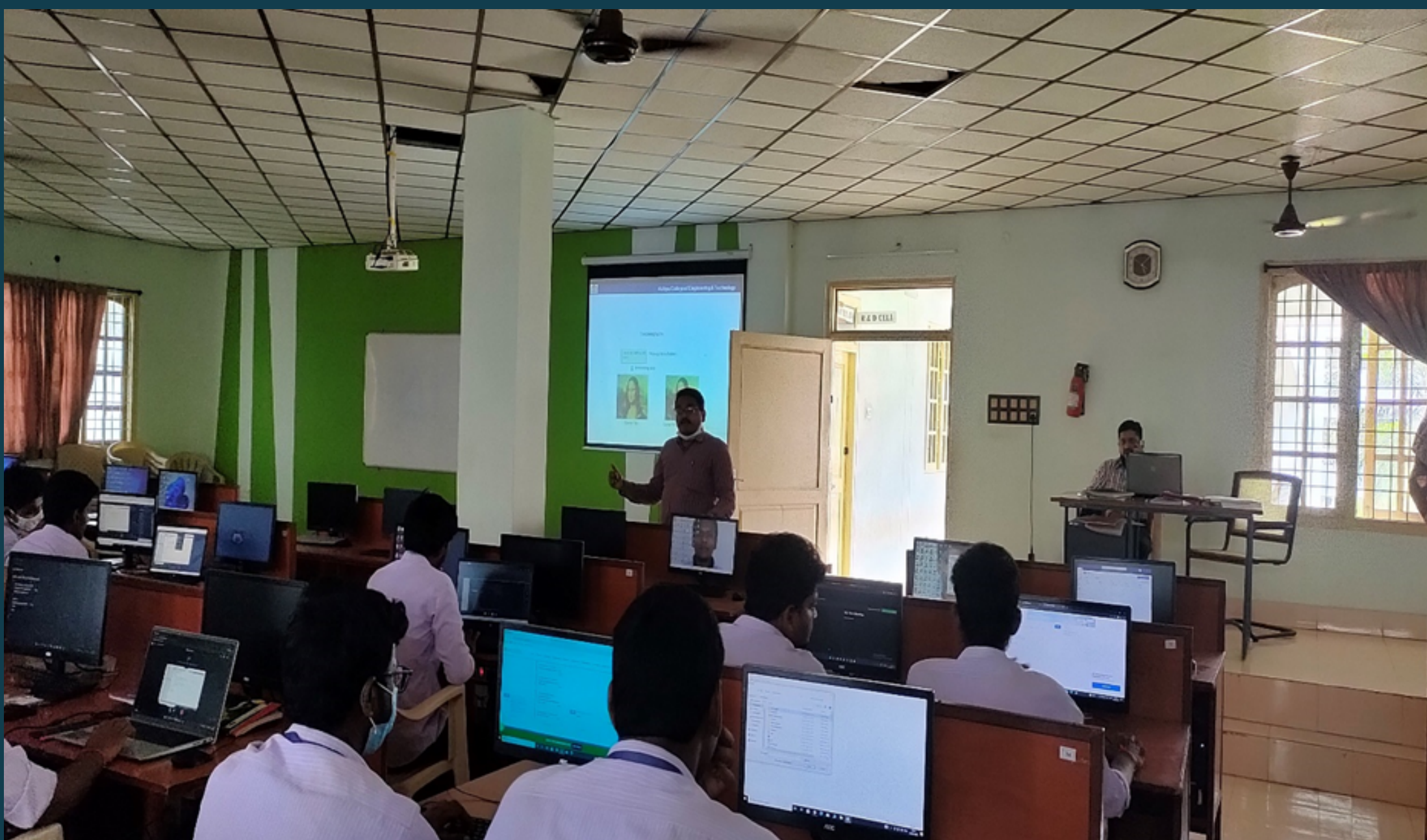
S. No	Name of the Faculty as Author	Title of the research paper	Name of the Journal/Conference	Index No UGC/ Scopus	Date/s
1.	Dr Ch V Raghavendran	Predicting the cost of pre-owned cars using classification techniques in Machine Learning	1st International Conference On Advances In Computational Intelligence And informatics(ICACII-2019)	UGC	20-12-2019 to 21-12-2019
2.	Thiruveedula Srinivasulu	Enhancing clinical decision support systems using supervised learning methods	The International journal of Analytical and Experimental modal Analysis	UGC	May-2020

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S. No	Name of the Faculty as Author	Title of the research paper	Name of the Journal/Conference	Index No UGC/ Scopus	Date/s
3.	Dr Ch V Raghavendran	Preventing Instructions into Networks using Honeypot Servers	International Journal of Scientific Research in Computer Science Applications and Management Studies	UGC	May-2020
4.	Kovvuri N Bhargavi	Exploiting Ensemble Learning for Rainfall Prediction using Meta Regressors and Meta Classifiers	International Journal of Engineering and Advanced Technology(IJEAT)	Scopus	May-2020

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Workshop On Image Processing & Pattern Recognition



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Code-A-Thon & Web-A-Thon



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Seminar On Cloud Virtualization



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Workshop Attended By Faculty

S. No	Name of the faculty	Designation	Name of the workshop/Training program	Organization	From	To
1	Dr Ch V Raghavendran	Professor	Open Internet Resources	Ramachandra College of Engineering, Eluru	10-05-2020	10-05-2020
2	Kovvuri N Bhargavi	Asst.Professor	AI for Covid19 Data Analysis and Deep Learning	EduxLabs	20-04-2020	24-04-2020
3	Nagireddi Surya Kala	Asst.Professor	Workshop on Open Internet Resources	Ramachandra College of Engineering	10-05-2020	10-05-2020
4	Haritha Darisi	Asst.Professor	IIC Online sessions to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs	Institutions Innovation Council	28-04-2020	22-05-2020
5	Haritha Darisi	Asst.Professor	Workshop on Open Internet Resources	Ramachandra College of Engineering	10-05-2020	10-05-2020
6	Regella Venkata Satya Lalitha	Asst.Professor	National Workshop Series on AI for "COVID-19 outbreak Prediction Forecasting, Data Analysis & Data Visualization"	EduxLabs	16-04-2020	17-04-2020
7	Regella Venkata Satya Lalitha	Asst.Professor	Entrepreneurship Development Program	MLR Institute of Technology, Hyderabad	06-02-2020	07-02-2020

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Christmas Celebrations.

(25th Dec ,2019)

Christmas is an annual festival commemorating the birth of Jesus Christ, observed primarily on December 25th as a religious and cultural celebration among billions of people around the world.

A feast central to the Christian liturgical year, it is preceded by the season of Advent or the Nativity Fast and initiates the season of Christmastide, which historically in the West lasts twelve days and culminates on Twelfth Night. Christmas Day is a public holiday in many countries, is celebrated religiously by a majority of Christians, as well as culturally by many non-Christians, and forms an integral part of the holiday season organized around it.



There are different hypotheses regarding the date of Jesus' birth and in the early fourth century, the church fixed the date as December 25. This corresponds to the date of the winter solstice on the Roman calendar.



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Rashtriya Ekta Diwas.

Every year on October 31, National Unity Day, or Rashtriya Ekta Diwas, is commemorated. The Government of India established the day in 2014 to recognise the birth anniversary of India's Iron Man, Sardar Vallabhbhai Patel. This year, India will observe the 146th birth anniversary of the freedom fighter.



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Women's Day Event

(8th March, 2020)

International Women's Day (IWD) is a global holiday celebrated annually on March 8th to commemorate the cultural, political, and socioeconomic achievements of women. It is also a focal point in the women's rights movement, bringing attention to issues such as gender equality, reproductive rights, and violence and abuse against women.

It originated from labor movements in North America and Europe during the early 20th century. The earliest version was purportedly a "Women's Day" organized by the Socialist Party of America in New York City February 28, 1909.



International Women's Day is commemorated in a variety of ways worldwide; it is a public holiday in several countries, and observed socially or locally in others. The UN observes the holiday in connection with a particular issue, campaign, or theme in women's rights. In some parts of the world, IWD still reflects its political origins, being marked by protests and calls for radical change; in other areas, particularly in the West, it is largely sociocultural and centered on a celebration of womanhood.



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IV-IT Placements.

S.NO	REG.NO	NAME OF THE STUDENT	COMPANY NAME	DESIGNATION	CTC
1.	16P31A1228	Desireddy Datta Srivalli	EC-Council	INTERN – TECHNICAL RESEARCH	2.4 LPA
2.	16P31A1231	Vikram Manikanta Nadella	ABYETI TECHNOLOGIES	Associate Software Engineer	4.00 To 5.00 LPA
3.	16P31A1236	Pathuri Ashritha Chowdary	ACCENTURE	Associate Software Engineer	3.25 LPA
4.	16P31A1238	Vamsi Krishna Penumallu	DXC Technologies	Associate Professional Software Engineer	3.40 LPA
5.	16P31A1239	PRAVALLIKA PONNAGANTI	Tech Mahindra	Associate Software Engineer	2.6 To 3.25 LPA
6.	16P31A1242	R. Sai Niharika	LTI	Associate Software Engineer	3.50 To 5.00 LPA
7.	16P31A1243	Relangi Surya Sushma	Tech Mahindra	Associate Software Engineer	2.6 To 3.25 LPA
8.	16P31A1244	Jayakumar Rimmalapudi	TCS NQT	Associate Software Engineer	3.36 LPA
9.	16P31A1247	Lakshmi Parvati Devi Sanipini	Tech Mahindra	Associate Software Engineer	3.25 LPA
10.	16P31A1252	Valavala Veera Rajitha	DXC Technologies	Associate Professional Software Engineer	3.40 LPA
11.	16P31A1254	SRISAI AMRUTHA VARUPULA	Tech Mahindra	Associate Software Engineer	2.6 To 3.25 LPA
12.	16P31A1255	Vegulla Ramani Devi	DXC Technologies	Associate Professional Software Engineer	3.40 LPA
13.	16P31A1258	N Lakshmi Tejaswini	ACS Solutions	Associate Software Engineer	2.6 To 3.25 LPA

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DEPARTMENT OF IT & MCA

CONGRATULATIONS ON YOUR SELECTION



16P31A1216
K Pratyusha



Principal, HODs & Staff

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CONGRATULATIONS ON YOUR SELECTION



16P31A1203
BIPIN KUMAR SONI



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