



ELECTRO VOGUE

Volume II June 2018 - March 2019

DEPARTMENT OF EEM



St. Aloysius College, Edathua



Principal's Message

I am happy and privileged to scribble an introductory note on the 2nd issue of Electro Vogue, the news letter from the Dept. of Electronic Equipment Maintenance (EEM). The passion and vivacity shown by the students and faculty make me suggest a synonym for the department: department of Energetic and Efficient members.

I assure you the whole hearted support of the college to the Department in all the position initiative taken by it.

Dr. Saban K.V.

Message From HOD



I am so proud of my colleagues and students of the department of EEM. They have stepped up to look at how our department can move in the right direction and be more efficient. "Electro Vogue" is an example of it.

Congratulations,

Dr. Jochan Joseph



Message from the Editor - in - Chief

College days are unforgettable moments of every students life, specially when they are coloured by the silver lining of several activities. The department of EEM has given a large share of good memories of our students and this newsletter is a snapshot of all the events that have organized here. I remember with great gratitude towards everyone of my colleagues, students and well wished who gave their hands and hearts of this publication with great pleasure, let me present before you "Electro Vogue"

Sebastian Thomas



Message From Student Editor

Dear all,

We are indeed pleased and happy to present before you a wide range of some inspiring and informative articles through "Electro Vogue".

We have designed this News Letter to open up before you the activities of our Department. The publication of "Electro Vogue" is a big milestone in the prayful and development of the Department.

I feel happy and blessed about the big step taken by EEM family in bring about this Vogue. Our heart is filled with gratitude to the Almighty God for empowering us with courage, wisdom & strength to complete this project successfully. We give him all the glory, honour and praise.

Benedict Maria Varghese

Association
Secretary
Anantha Krishnan



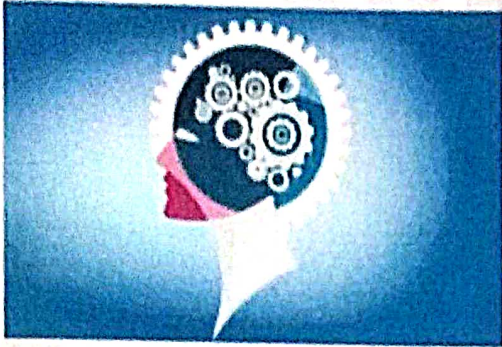


Artificial Intelligence surgery might sound too futuristic to some. However, robot surgeons powered by AI are bringing new innovations and accuracy to the operating room.

These technologies are worth to watch closely in 2019.

1. Machine Learning will advance Artificial Intelligence (AI) smart car

Artificial Intelligence (AI) innovations will continue to bring scientific breakthroughs, in part, thanks to the vast amounts of data that new technologies have been collecting and is now available.



In 2019, Machine Learning and Artificial Intelligence will be embedded in the business platform creating and enabling smart business operations.

In the Artificial Intelligence space, China is going to leave the U.S. behind, emerging as a leader in AI developments and applications.

Advances in Machine Learning technology and algorithm training will result in new and more advanced AI. Autonomous vehicles and robotics are the two industries that will see the most rapid developments during 2019.

In 2019, there is going to be a convergence of Artificial Intelligence, Machine Learning, and Deep Learning in business applications. As AI and learning technologies get to work together in order to reach better results, AI will have greater accuracy at all levels.

So far, humans have only developed Narrow Artificial Intelligence. A superior AI, though, is in the future of mankind. How far should humans go with AI development is still a subject of controversy. Is this really going to be mankind's last invention?

2. Quantum Computing (Supercomputing)

Quantum Computing, still an emerging technology, is one of the most fascinating things researchers, organizations, and governments have been working on in this



century so far. The race toward building the first fully-functional, fully-working quantum computer (also called supercomputer) is on.



Rohit Rajan



Harishankar

With its impressive computational power quantum computers will most like be a cloud service in the near future rather than on-premise machines. IBM is already offering cloud-based quantum computing services. The first quantum computer is going to have a significant advantage over the others. In 2019, the competence to achieve supercomputer supremacy will intensify. As a consequence, the last mile in the race will remain mostly secretive, for obvious reasons.

3. Augmented Reality (AR) and Virtual Reality (VR)

virtual reality

Virtual Reality for automotive engineering design/ Image: Susan Fourtané for Interesting Engineering
Advances in Augmented Reality (AR), Virtual Reality (VR), and Mixed Reality (MR), all of which can be summarized in R+, will continue to be at the forefront of attention during 2019 with some fascinating new practical



applications for industries.

R+, which once was only found in video gaming has been quickly advancing to become a useful tool in industries such as engineering design, manufacturing, healthcare, space exploration, and many others.

In 2019, Virtual Reality is going to open up to innovative industrial applications that will change how people work and collaborate across geographies. Augmented Reality has been rising in the Virtual Reality's shadow for the past year. But in 2019, AR is set to grow exponentially.



Christmas Programme

Our college has been conducted a Christmas programme on 21-12-2018 and a crib competition has been conducted. Our students have successfully participated in it.

Arts Day

The arts serve a vital function in society and human history. The purpose of a celebration of arts day is to highlight our students' creative ambition and drive and to give them opportunities to showcase their inspirational talents. Since creativity and innovation do not come in a single form or medium. One of the most awarded occasions in institutions are the arts day since they change the perspectives of enjoyment. The preparations begin much ahead of the day itself. The institutions get a complete face lift with all the classrooms artificially decorated.

Practical View of a Physics Experiment



Our students successfully conducted a practical Application of Bernoulli's theorem. Experience was done under the guidance of our Principal Dr. Sabin K.V.

Farming



Boornihra fena conducted a farming competition among departments. Our students successfully participate in this contest. They yield the vegetables and provide it to the needy.

Farewell & Valedictory Function

The Farewell was organized by the students and teachers of our department on..... in the Mini Auditorium. Our 1st DC & 2nd DC presented very interesting shirts, group dance and solo singing performances which entertained all to the fullest. Our 3rd DC shared their memories and feelings that they got from the department. Token of love was given to all 19 outgoing students. Summing up, the day was great, filled with nostalgia and fun and excitement. (Conducted by Jochan sir on hadrons collides).



Gratitude



'Electro Vogue' is a humble dream that has come true. It is showing the reflections of our department activities during this academic year.

I express my deep felt gratitude to Dr. Saban K.V., Principal of our college for the sincere support to the fulfilment of our dream. I thank Dr. Jochan Joseph, Head of the department of Physics-EEM and all the faculty members of Physics department for the support. I can not forget the helping hand offered by our former students in the publication of this news letter. I express my heart felt thanks to Mr. Sebastian Thomas (Chief Editor, Dept. of EEM), Benedict Maria Varghese (Student Editor), Anathakrishnan (Association Secretary) for the great effort behind the successful publication of "Electro Vogue".

Rani Mohan (Co - Ordinator)