Vidya Vikas Education Trust's
Universal College of Engineering

FROM CAMPUS DIRECTOR'S DESK

The evolution of the institute over the past six years has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to provide professional education with thrust on creativity and innovation. The motivating environment in UCOE for knowledge assimilation, generation and dissemination with a sense of social responsibility, human values and concern for social commitment has carved a niche for itself among the best technical institutes. A paradigm shift has been noticed in higher education now a days, from 'National education' to 'Global education', from 'One time education for a few' to 'lifelong education for all', Thus sharing of the knowledge has become extremely important and its great pleasure for me to see that Department of Electronics Engineering has taken a positive step with its own 'Departmental e-bulletin'. My best wishes to all the teachers, staff and from the Department for their future endeavors.

-Dr. J. B. Patil, Campus Director, Universal College of Engineering

FROM PRINCIPAL'S DESK

Universal College of Enginering has been blessed with eco-friendly campus and is equipped with state-of-art infrastructure. We have well equipped labs, workshops and libraries to help students in attaining highest standards in academics, research and professional skills. Creating better human beings' is our motto and we can do that when we are able to mould our students with values which are embedded for life. Soft skills and communication skills along

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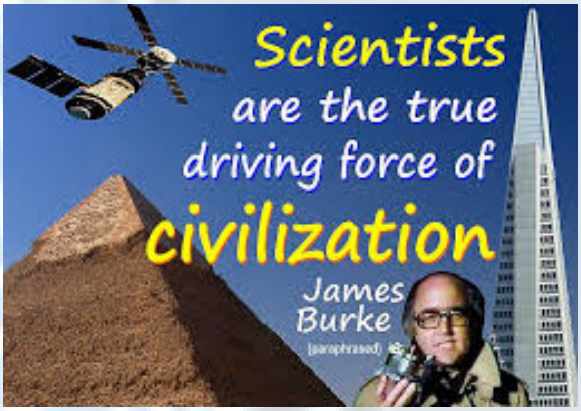
with the in depth technical knowledge are the main attributes to mould an engineer into a good human being. Its great pleasure for me to see that Department of Electronics has taken initiative to inculcate these qualities among students through 'Departmental e-News Bulletin'. I congratulate the faculties, staff and students for such a fine effort.

-Dr. Ajoy Kumar, Principal, Universal College of Engineering.

FROM HOD'S DESK

I have experienced during my tenure in Industry that It is always a great thing to share the information among everyone and succeed in the life as an entire team. I would like to extend this idea among the young buddy students and am very happy that everyone from Department and students like the same and executed it very well in the form of 'Departmental e-bulletin'. My best wishes to everyone and this new initiative.

-Mr. Suhas Sahasrabudhe, Head of Department



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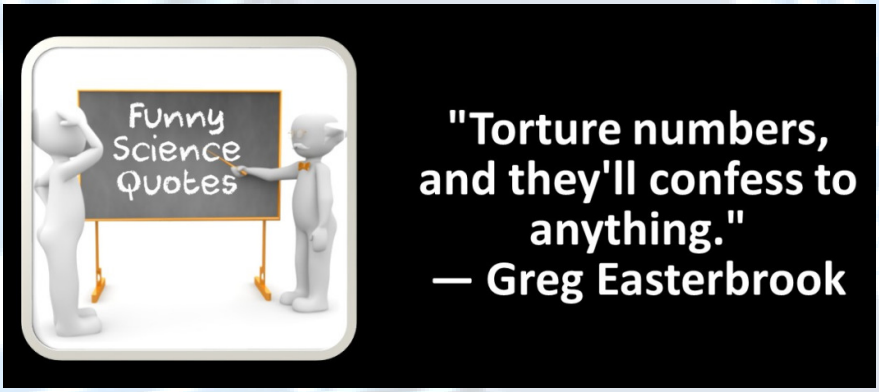
VISION of Electronics Department:

To be recognized for practicing the best teaching-learning methods to create highly competent, resourceful and self motivated young electronic engineers for benefit of society.

MISSION of Electronics Department:

- To nurture engineers who can serve needs of society using new and innovative techniques in electronics.
- To motivate engineers to apply knowledge of electronics subjects through participation in different technical events.
- To enhance career opportunities of electronic students through industry interactions and in plant training.
- To instill the passion and spirit among students to pursue higher education in electronics and become entrepreneur.
-



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Upcoming Events:

Junior VYRO

Every year Universal College of Engineering organises Technical Festival Junior VYRO for the Junior college students. The junior college students get chance to visit Engineering College and understand the culture and facilities in professional technical colleges The students enjoy the event with power packed fun games. This year the Junior VYRO is scheduled on 1st September 2018 and the entire team of Department of Electronics invites all students to participate and enjoy!!!!

Automation Expo2018

AUTOMATION EXPO2018
13th India International Trade Show
Fuelling Innovation and Growth
29th August to 1st September 2018
Bombay Convention and Exhibition Center, Goregaon (East) Mumbai

Automation Expo, the largest Automation & Instrumentation exhibition in South-East Asia is all set to make a mark in 2018 as well. Today, it's an ideal platform for Indian and global automation industry to converge and showcase the cutting-edge technologies, advancements, systems, and services.

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Recent Trends and Innovations

BIONIC EYE

A team of researchers at the University of Minnesota have, for the first time, fully 3D printed an array of light receptors on a hemispherical surface. This discovery marks a significant step toward creating a "bionic eye" that could someday help blind people see or sighted people see better.

The research is published in '*Advanced Materials*', a peer-reviewed scientific journal covering materials science.

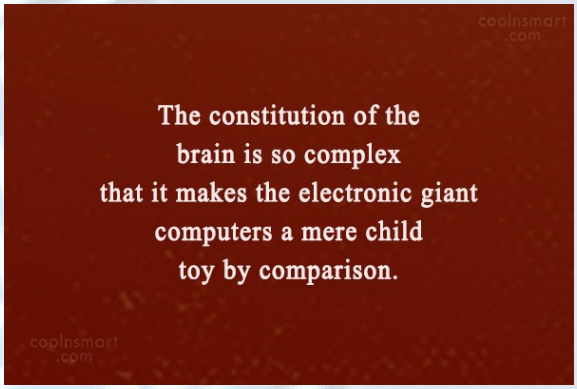
"Bionic eyes are usually thought of as science fiction, but now we are closer than ever using a multimaterial 3D printer," said Michael McAlpine, a co-author of the study and University of Minnesota Benjamin Mayhugh Associate Professor of Mechanical Engineering.

Researchers started with a hemispherical glass dome to show how they could overcome the challenge of printing electronics on a curved surface. Using their custom-built 3D printer, they started with a base ink of silver particles. The dispensed ink stayed in place and dried uniformly instead of running down the curved surface. The researchers then used semiconducting polymer materials to print photodiodes, which convert light into electricity.

McAlpine and his team are known for integrating 3D printing, electronics, and biology on a single platform. They received international attention a few years ago for printing a "bionic ear." Since then, they have 3D printed life-like artificial organs for surgical practice, electronic fabric that could serve as "bionic skin," electronics directly on a moving hand, and cells and scaffolds that could help people living with spinal cord injuries regain some function.

The research was funded by the National Institute of Biomedical Imaging and Bioengineering of the National Institutes of Health (Award No. 1DP2EB020537), The Boeing Company, and the Minnesota Discovery, Research, and Innovation Economy (MnDRIVE) Initiative through the State of Minnesota.

source:
https://www.sciencedaily.com/releases/2018/08/180828172043.htm



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CONGRATULATIONS to B.E. TOPPERS

Chinmay Kolhatkar

Vinay Vishwakarma

Harsh Patel

International Award

Young Innovator Award-MeltingPot2020 WAIN (Worldwide Academia Industry Network) Category

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