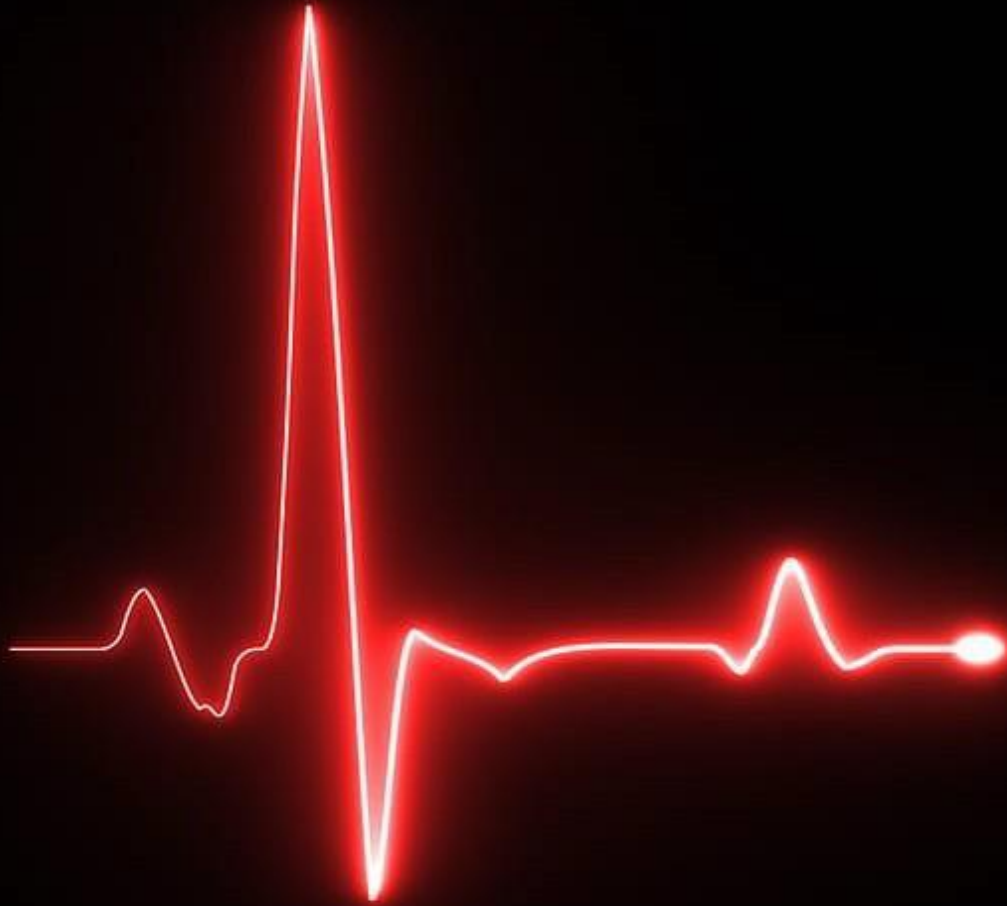


THE PULSE

NEWSLETTER
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Vision

To emerge as a centre of academic excellence in the field of Electronics & Communication Engineering to address the dynamic needs of the industry upholding moral values.

Mission

- Impart in-depth knowledge in Electronics & Communication Engineering to achieve
- academic excellence.
- Develop an environment of research to meet the demands of evolving technology.
- Inculcate ethical values to promote team work and leadership qualities befitting societal requirements.
- Provide adaptability skills for sustaining in the dynamic environment

MESSAGE FROM FACULTY

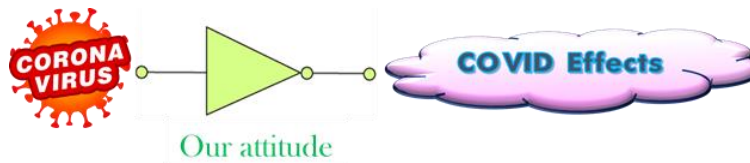
COVID: Our New Generation Teacher

Take a deep breath.

Pick yourself up.

Dust yourself off.

And start all over again....



The title of the article seems little weird, right!!!! From its arrival to our life through past 2.5 year COVID only creates disappointments, pains, agonies, life threats, an overall loss. It is considered globally as the biggest trouble creator to the human race in his centennial. The culprit behind this considerably the greatest threat to the world is neither some big demonic predators nor some powerful aliens, they are not either ruthless invaders or some natural calamities also. This is mere tiny controversial nano creatures ...a VIRUS with controversial birth history. Now why controversial??it's because there is still a big debate that whether this virus is naturally generated or deliberately lab made one as a weapon of bio-war. But my intention is not to bring the reader to travel their down memory lane with their past pain, loss, anxieties, fear, disappointments that all they got from COVID, but to find out the unturned stones to discover the hidden lessons COVID give to us. It's hear a strange right ??-COVID give any good lessons!!! Yes, my dear reader...if you carefully scrutinized every loss or every failure you can find an untold story of a way of next success in a dormant condition. That's why it is said the failure is the pillar of success. If you realize the inner lesson of the above quote you can realize what is my intension to tell my reader through this article. Now COVID era creates lots of job-loss, we are compelled to stuck inside home like a prisoner, we have to give up all the outside funs and entertainments that we are enjoying in post covid era, we lost many precious lives of our near and dear ones, and so many uncountable loss, pain, disappointments, etc. But always we only highlight all these macro level negative sides of COVID but we hardly talk about the micro-level positive side, which hides lots of lessons to the human race in its basket. I am trying to bring that cat from the basket to let my readers know what we learn from COVID from my point of aspect. Where COVID itself has both positive and negative title so we have to understand that there should be some positive sides of COVID. One scientific analogical illustrations from my point of view will be looking as below. It's true that COVID has lots of negative impacts but if we use our thoughts and attitude like that inverter we can able to visualize some positive things in those negative effects of COVID. First good habit that we grow during this time is to become little bit more hygienic. Previously, during pre-COVID time we rarely sanitized our hands during eating food outside or exchanging money or goods from someone, but now we have grown this habit which is to some extent is a good habit. Next the habits of wearing mask. This habits I saw during my abroad stay that people for protecting themselves from air pollution and dust pollution wear mask but now some days we all have this habits thanks to COVID.. Because beside the virus mask also protects us from all sorts of air pollution too and it is already seen many of diseases related to cough and cold or lungs problem, caused by air pollution reduces drastically in post COVID era.. Also during the lock -down period as most of outside activities like pubs, restaurant, malls were remain closed we had grown the habits of eating homemade foods which is also good for our health and reduced our expenditure too. Many of our hidden some talent also get time to come out during this period as lots of our regular usual work got disturbed during lock-down. From singing talent to cooking talent, from gardening talent to interior decoration talent many new hidden qualities were come in front of us and later on many had used this talent for a new profession too. So, we can see this COVID also have some good impacts in our life too and I am writing this article to bring these in front of my readers. Finally, as I started this writing with some quote I end with another meaningful quote which I hope will help readers to come out from the COVID generated depression.

"A lesson for all of us is that for every loss, there is victory, for every sadness, there is joy, and when you think you've lost everything, there is hope."

By Sourav Roy



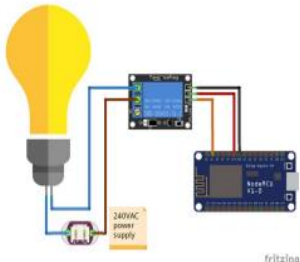
EVENTS

Highlights of the Month:

- Dr.Suganthi.S organized and participated in a Seminar “Chipless RFID: State of the Art and Current Research Trends”, Organized by RF and Microwave Research Lab, Department of ECE in association with IEEE Student Branch and IEEE AP-S, Christ(Deemed to be University),Bangalore held on 08.01.2022.
- Prof.Shashikumar.D organized and participated in a Seminar “Chipless RFID: State of the Art and Current Research Trends”, Organized by RF and Microwave Research Lab, Department of ECE in association with IEEE Student Branch and IEEE AP-S, Christ(Deemed to be University),Bangalore held on 08.01.2022.
- Dr.Chidambaram.S participated in ATAL FDP on “Signal Processing for Cognitive Neuroscience Applications”, Organized by NIT, Meghalaya, held during 17.01.2022 to 21.01.2022.
- Dr.Chidambaram.S participated in a Webinar on National Education Policy(NEP 2020)-The Road Ahead : A Series on Perspectives "Transforming Higher Education : Realistic Possibilities" Organized by Christ(Deemed to be University),Bangalore held on 20.01.2022.
- Department level Board of Studies(BoS) meeting with a primary agenda on restructuring of existing curriculum and syllabi of UG and PG programme was held on 28.01.2022 and 31.01.2022.
- Dr.Harimurthy published an article entitled as “Blockchain Enabled Model for Minimizing Post Harvest Losses” in Journal of ECS Transaction, Jan 2022.
- Dr.Vinay Jha Pillai published an article entitled as “Blockchain Enabled Model for Minimizing Post Harvest Losses” in Journal of ECS Transaction, Jan 2022.
- Dr.Vinay Jha Pillai has granted with a copyright for the work “Home Control Using Voice Via Google Assistance By Introducing AI”, Jan 2022.

STUDENT CONNECT

*Project to control 220V Bulb from the local server using NodeMCU on ESP8266:



fritzing

```

NodeMCU g
#define BLYNK_PRINT Serial

/* Fill-in your Template ID (only if using Blynk.Cloud) */
//#define BLYNK_TEMPLATE_ID "YourTemplateID"

#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>

// You should get Auth Token in the Blynk App.
// Go to the Project Settings (nut icon).
char auth[] = "m-jEaKbJrYsJoG-ib9QO_CDYeih07LaO";

// Your WiFi credentials.
// Get password to "" for open networks.
char ssid[] = "NerrowPro";
char pass[] = "Y023D25";

void setup()
{
  // Debug console
  Serial.begin(9600);

  Blynk.begin(auth, ssid, pass);
  // You can also specify server:
  //Blynk.begin(auth, ssid, pass, "blynk-cloud.com", 80);
  //Blynk.begin(auth, ssid, pass, IPAddress(192,168,1,100), 8080);
}

void loop()
{
  Blynk.run();
}

```



For quires contact me

Bhaskar Gonugunta



STUDENT CONNECT

OPTICAL SENSORS IN AGRICULTURE

Agriculture Applications



- Optical sensors are available that measure and record data about crops and soil in real time by using the reflectance of light shined on growing plants.
- The sensors can tell applicators to apply less nitrogen to healthy plants and more nitrogen to weaker, unhealthy plants.

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Kindly share your thoughts and research experiences via e-mail to our team, and be featured in next month's issue!