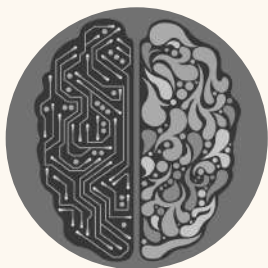




Gyan Ganga Institute of Technology and Sciences

# THE Genesis

Official Newsletter  
of GGITS



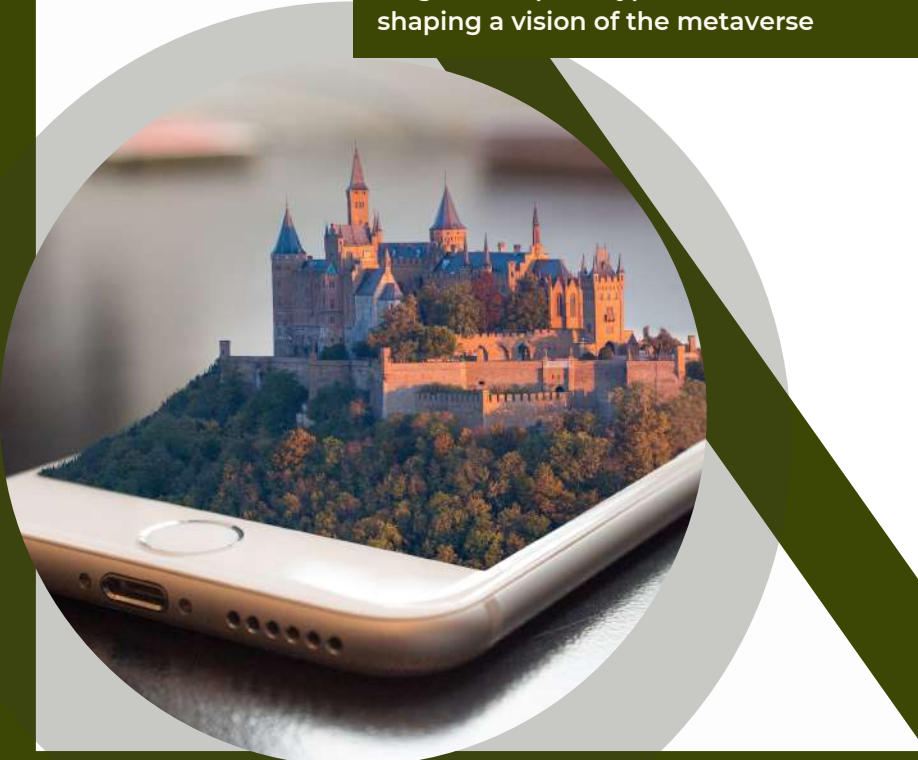
# NEW TECHNOLOGIES DRIVING AI 2.0

BuilderBot, an innovative tool that can generate immersive objects via voice commands only, in order to fuel creativity in the Metaverse. With BuilderBot you can describe a world and it will generate various aspects of it for you, according to Meta. As this technology advances, you will be able to make nuanced worlds to explore and share with others. Developing conversational AI requires an understanding of the scope of the problem. Many people think that by using NLU techniques, such as BART and GPT-3, we can comprehend and generate human-like text in the future. Artificial Intelligence (AI) is the ability to extract meaning from a variety of input modalities, such as automatic speech recognition, image classification, and natural language understanding. AI for interaction is a means to use our knowledge of the world to interact with the world. A text can be sent, a voice command made, haptic feedback given, an image shown, a video played, a virtual avatar displayed, or all of these things combined. It is easy for an engineer who knows the state of the world to devise elaborate logic to deal with the interaction. The engineering approach makes it easy to comprehend how the system works and to debug it when necessary. In order for AI assistants to operate properly, they need four sets of inputs and outputs, one for each layer of the pipeline (NLU, DST, DP, and NLG). There are also standard inputs and outputs for each layer. Despite still being in its early stages, the prototype demonstrates how far the company has progressed in shaping a vision of the metaverse

Referenced from:-

[wersm.com](https://www.wersm.com)

Ankita Sahu  
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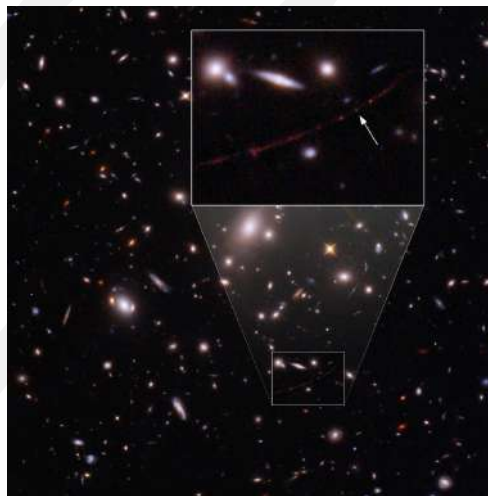
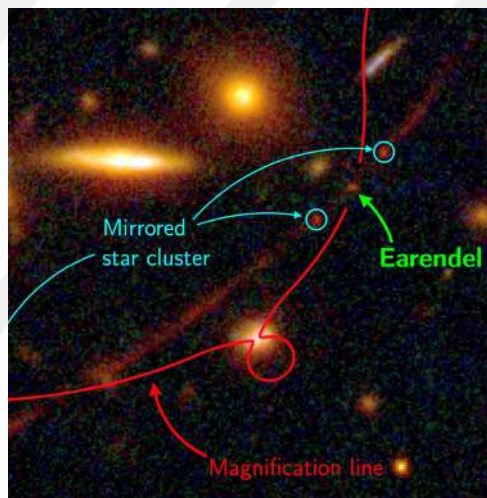
# Most Distant Single star ever seen

Meet Earendel, a star 12.9 billion light-years from Earth.

The most distant single star seen yet dates back to less than 1 billion years after the universe's birth in the Big Bang, and may shed light on the earliest stars in the cosmos

The scientists nicknamed the star "Earendel," from an Old English word meaning "morning star" or "rising light." Earendel, whose technical designation is WHL0137-LS, is at least 50 times the mass of the sun and millions of times as bright.

This newfound star, detected by NASA's Hubble Space Telescope, is so far away that its light has taken 12.9 billion years to reach Earth, appearing to us as it was when the universe was about 900 million years old, just 7% of its current age.



Normally, even a star as brilliant as Earendel would be impossible to see from Earth given the vast divide between the two. Previously, the smallest objects seen at such a great distance were clusters of stars embedded inside early galaxies. Scientists detected Earendel with the help of a huge galaxy cluster, WHL0137-08, sitting between Earth and the newfound star. This is not the most distant object scientists have ever discovered. Hubble has observed galaxies at greater distances. However, we see the light from their millions of stars all blended together. This is the most distant object where we can identify light from an individual star. We see the star as it was 12.8 billion years ago, but that does not mean the star is 12.8 billion years old. Instead, it's probably just a few million years old and never reached old age.

Referenced From:-  
Space.com

Written by:-  
Palak Jaiswal  
CS-AIML



# ANONYMOUS ATTACK ON FOOD GIANT

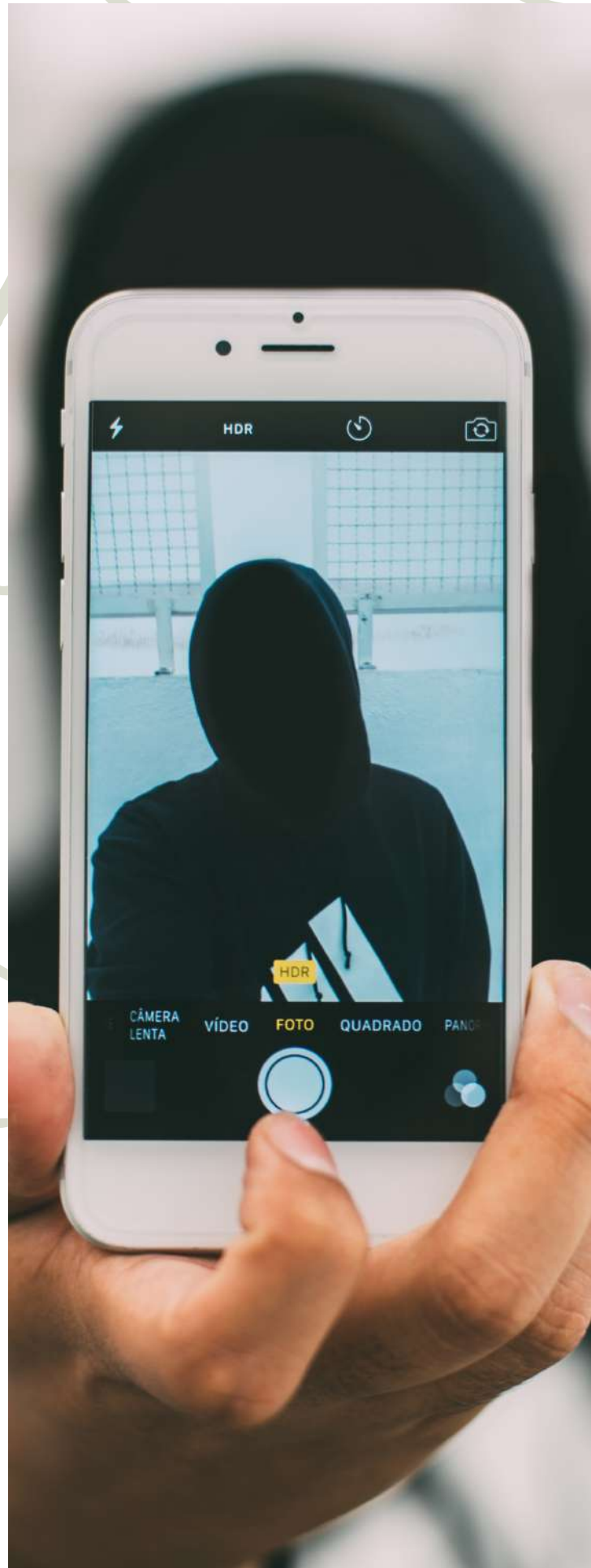
AFTER EPISODES OF CYBER ATTACKS ON RUSSIAN GOVERNMENT WEBSITES AND DATABASES, ANONYMOUS HAS MOVED ITS FOCUS ON VARIOUS “SUPPORTERS” OF RUSSIA. RECENTLY ANONYMOUS RELEASED A 10GB DATABASE OF FOOD & BEVERAGE GIANT NESTLE ON THEIR TWITTER.

NESTLE WAS SUPPLYING THEIR GOODS TO RUSSIA DESPITE THE FACT THAT MORE THAN 400 MULTINATIONAL COMPANIES HAVE EXITED THE COUNTRY. NESTLE WAS ALSO BEING CRITICIZED BY NATIONS SUPPORTING UKRAINE.

“UNFORTUNATELY, HE IS DEAFENINGLY DEAFENINGLY PAYING TAXES TO THE BUDGET OF A TERRORIST COUNTRY MEANS KILLING DEFENSELESS CHILDREN & MOTHERS. I HOPE NESTLE CHANGES ITS MIND SOON.” SAID UKRAINIAN PRIME MINISTER DENYS SHMYHAL AS HE REVEALED THAT HE SPOKE TO NESTLE CEO MARK SCHNEIDER. THIS 10GB DATA FROM NESTLE CONTAINS THEIR EMAILS, CUSTOMER DETAILS, PASSWORDS, ETC. THEY ALLEGEDLY WARNED NESTLE OF PULLING OUT FROM RUSSIA AND TOOK THIS MEASURE AFTER THAT.

AFTER THIS INCIDENT, NESTLE DENIED ANY LEAK OF INFORMATION AND COATED THIS AS A MISTAKE FROM THEIR SIDE WHEN THEY ACCIDENTALLY MADE THIS DATA PUBLIC IN FEBRUARY FOR A BRIEF TIME. IT WAS DURING THE TIME THEY RELEASED TEST DATA OF B2B DATA PUBLICLY AND UNINTENTIONALLY ON A TESTING WEBSITE.

NESTLE HAS ALSO STATED THAT THEY HAVE CUT OFF MOST OF THEIR PRODUCTS AND ARE ONLY CONTINUING “ESSENTIAL PRODUCTS” IN RUSSIA.



## Battery-free MakeCode Device

Northwestern University engineers have developed the first computer coding platform that enables kids to build and program sustainable, battery-free, energy-harvesting devices. It is a platform that introduces beginners to coding basics. The visual platform makes programming easy. Users simply drag and drop blocks of pre-made code to build games like Tetris, program devices that can count steps or make sounds, and create apps that connect sensors, screens, buttons and motors.

Battery-free MakeCode uses an extension that automatically and invisibly transforms MakeCode into a version that supports programming electronic devices that harvest energy from ambient sources, such as vibrations, movement, radio frequency transmissions and the sun.







## Internal Hackathon- SIH 2022

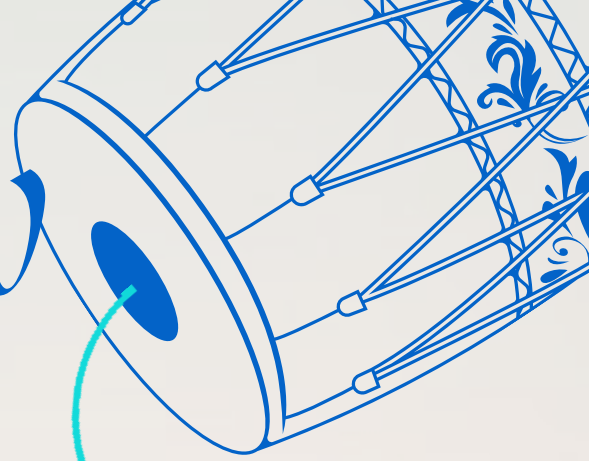
Gyan Ganga Institute Of Technology And Sciences had successfully conducted Internal Hackathon for SIH-2022. There were a total of 107 teams registered, out of which 15 teams are selected for next round.



**Congratulations** to all the winners  
of **Internal Hackathon- SIH 2022**

# Rangotsav

Holi Celebration in  
GGITS-Campus



Happy Holi!



Organized by :



**Gyan Ganga**  
Institute of Technology & Sciences  
Jabalpur

# ALIBABA CLOUD LOW-CODE DEVELOPMENT CONTEST 2022

AWARD WINNERS

## Congratulations



**Dhruva Bhattacharya**

First Prize \$3000  
(Rs 2.3 lacs)

INNOVATION AWARDS



Karan Kewat



Samriddhi khare



Shubham Thakur



Yash Sen

## Congratulations





# ORACLE ACADEMY

## CLOUD DEVELOPER DRIVE

*Congratulations!*

#1



**RAJKUMAR SONI**  
IT Batch (2019-23)  
**INR 25000/-**



#2

**ABHISHEK SHRIVASTAVA**  
IT Batch (2019-23)  
**INR 15000/-**



#3

**SANSKAR NEMA**  
CSE (2019-23)  
**INR 10000/-**



#4

**RAKSHIT TIWARI**  
IT Batch (2019-23)  
**INR 5000/-**



# Boundless Creations



YASH RICHHARIYA  
4TH SEM







# Thank You

Our E-Newsletter is open to all, you can share your articles by contacting with any one of the members.

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If you are Interested in sharing your article or content, feel free to share with us.

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