BYTE QUEST

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Byte Quest is the article published by the CSE dept of Vasavi College of Engineering regarding the latest innovative Technologies and Software that have been emerged in the competitive world. The motto of this article is to update the people regarding the improvement in technology. The article is designed by the active participation of students under the guidance of faculty coordinators.

🕐 Good, bad or indifferent if you are not investing in new technology, you are going to be left behind.

-Philip Green

🕐 Once a new technology rolls over you, if you're not part of the steamroller, you're part of the road.

-Stewart Brand

FACULTY CO-ORDINATORS

K B BINI(ASST. PROFESSOR)

KOMAL KAUR (ASST. PROFESSOR)

STUDENT COORDINATORS

CAROL (4/4 CSE-A) D.APARNA (4/4 CSE-B)

R.ABHINAV (3/4 CSE-A) K.ANISHA (3/4 CSE-B)

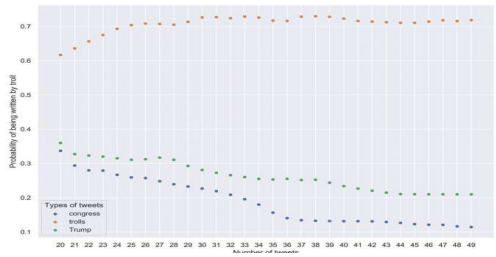
IMRAN (2/4 CSE-A) AKASH VORA (2/4 CSE-C)

ALGORITHM FOR TWITTER TROLLS

Monakhov took a sociolinguistic approach, focusing on the idea that trolls have a limited number of messages to convey, but must do so multiple times and with enough diversity of wording and topics to fool readers. Using a library of Russian troll tweets and genuine tweets from U.S. congresspeople, Monakhov showed that these troll-specific restrictions result in distinctive patterns of repeated words and word pairs that are different from patterns seen in genuine, non-troll tweets. Then, Monakhov tested an algorithm that uses these distinctive patterns to distinguish between genuine tweets and troll tweets. He found that the algorithm required as few as 50 tweets for accurate identification of trolls versus congresspeople.

He also found that the algorithm correctly distinguished troll tweets from tweets by Donald Trump—which although provocative and "potentially misleading," according to Twitter, are not crafted to hide his purpose.

This new strategy for quickly identifying troll tweets could help inform efforts to combat hybrid warfare while preserving freedom of speech.



T SUBHAS (CSE-A 3/4)

LOCUST BUG CYBORGS

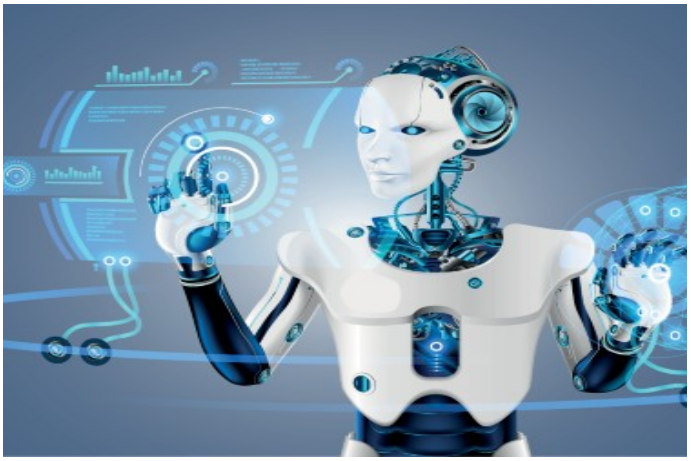
If you want to enhance a locust to be used as a bomb-sniffing bug, there are a few technical challenges that need solving before sending it into the field. Is there some way to direct the locust—to tell it where to go to do its sniffing? And because the locusts can't speak (yet), is there a way to read the brain of these cyborg bugs to know what they're smelling? For that matter, can locusts even smell explosives? they are smelling. And now, thanks to new research from the McKelvey School of Engineering, the third question has been settled.

Yes and yes to the first two questions. Previous research from Washington University in St. Louis has demonstrated both the ability to control the locusts and the ability to read their brains, so to speak, to discern what it is

N V KIRAN REDDY (CSE-A 3/4)

Agile AI workflows

The development of AI solutions is creating a closer relationship between supplier and customer, with increased transparency and mutual exchange.Artificial Intelligence (AI) is opening up many opportunities for both producers and suppliers. Using AI to optimize maintenance and refine processes is increasing productivity and sustainability and at the same time improving safety. In addition, AI is driving increased automation, for example through the use of collaborative robots, which also increases productivity and lowers costs. For suppliers, the new AI solutions can provide insights into how their products are used, and this information can be used not only in product development but also in advising customers.
Industrial companies wanting to develop and benefit from AI must be capable of working in ways that are different from traditional approaches and strategies. In the future, producers will likely launch products earlier, before they are fully developed and tested, allowing users earlier access to the products and services and a role in a collaborative final development of the solution that more precisely fits the user's needs.



"We have to be much more open to the market," says Petra Sundström, Head of Digital Business Development. "It's no longer possible to have the development process shrouded in secrecy. We must start talking about challenges, not just about solutions, if only because that's the way we can attract the skills that we'll be depending on going forward."

P BHASHITHA REDDY(CSE-A 3/4)