



AIRCEL Internet Free for 6 Months*

₹ 7,499

BUY NOW

RECENT

Microsoft to Announce New Xbox One Console at E3 2016: Report

Sega Mega Drive Classics Hub Brings PC Mods to Retro Console Games

Call of Duty: Infinite Warfare Release Date Leaked

India Funding Roundup: ClearTax, RailYatri, and More

Early Uncharted 4 Copies Were Stolen; Day 1 Patch Now Live

Intel Says USB Type-C Digital Audio Should Replace 3.5mm Headphone Jack

Airtel's New International Roaming Packs Offer Free Incoming Calls

Currently No Proposal to Merge BSNL and MTNL: Prasad

Google Chrome 50 for Android Brings New Features, Fixes,

Home | Science | Science News

Artificial Intelligence to Help Curb Poaching: Study

Indo-Asian News Service , 22 April 2016

Share on Facebook Tweet Share Share Email Reddit



Image: Rob Pickles, Panthera

As the world celebrated Earth Day on Friday, a team led by an Indian-origin researcher has found a way to use artificial intelligence (AI) to protect the Earth's endangered animals and forests by outwitting poachers with technology.

With support from the US National Science Foundation (NSF) and the US Army Research Office, researchers are using AI and game theory to solve poaching, illegal logging and other problems worldwide, in collaboration with researchers and conservationists in the US, Singapore, the Netherlands and Malaysia.

"This research is a step in demonstrating that AI can have a really significant positive impact on society and allow us to assist humanity in solving some of the major challenges we face," said Milind Tambe, professor of computer science and industrial and systems engineering at the University of Southern California (USC).

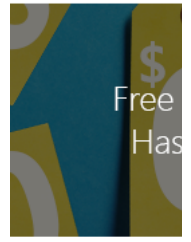
"In most parks, ranger patrols are poorly planned, reactive rather than pro-active and habitual," said Fei Fang, PhD candidate from the University of Southern California (USC).

Fang is part of an NSF-funded team at USC led by Tambe who is also director of the Teamcore Research Group on Agents and Multiagent Systems.

The team's research idea - a game theory - uses mathematical and computer models of conflict and

ADV

Microsoft Azure App Ser



Create a mobile app.

MORE FROM THE V

The Most Horrible Ne Ever My Daily Viral

The Inside Of Leonar From What You'd Ex Lonny

The Razor That's Chr Harry's

Jim Cramer is Revea Here's How to Acces Topdust for TheStreet

MORE FROM NDTV

Priyanka Chopra Plu New Baywatch Pic

Leaked! When Hrithi Ranaut Got 'Cosy' at

For Amitabh Bachchi on the Sets of Pink

Radhika Apte's Expe With Rajinikanth

Sponsored: In the



Micromax (Silver) : ₹ 6,253



Moto X P ₹ 18,499

Improvements

Volvo to Give Self-Driving Cars to Ordinary Britons to Test in London

[MORE NEWS>>](#)

TRENDING

1

Another Freedom 251? Docoss X1 Smartphone Launched at Rs. 888

2

Xiaomi Redmi Note 3 to Be Made Available in Open Sale Today

3

Moto X (2016) Allegedly Spotted in Benchmark With Snapdragon 820 SoC

4

Xiaomi Redmi Note 3 Review

5

Microsoft to Announce New Xbox One Console at E3 2016: Report

6

Xiaomi Confirms MIUI 8 to Launch Alongside Mi Max, Mi Band 2 on May 10

7

Countdown to Launch of Isro's Navigation Satellite Progressing Smoothly

8

How to Legally Watch Some of

The team's research idea - a game theory - uses mathematical and computer models of conflict and cooperation between rational decision-makers to predict the behaviour of adversaries and plan optimal approaches for containment.

"This research is a step in demonstrating that AI can have a really significant positive impact on society and allow us to assist humanity in solving some of the major challenges we face," Tambe **noted**.

The researchers first created an AI-driven application called PAWS (Protection Assistant for Wildlife Security) in 2013 and tested the application in Uganda and Malaysia in 2014.

PAWS used data on past patrols and evidence of poaching. Now, as PAWS receives more data, the system "learns" and improves its patrol planning. Already, the system has led to more observations of poacher activities per kilometre.

The system can also take into account the natural transit paths that have the most animal traffic - and thus the most poaching - creating a "street map" for patrols.

The application also randomises patrols to avoid falling into predictable patterns.

The team recently combined PAWS with a new tool called CAPTURE (Comprehensive Anti-Poaching Tool with Temporal and Observation Uncertainty Reasoning) that predicts attacking probability even more accurately.

The researchers presented the findings at the "AAAI Conference on Artificial Intelligence" in Arizona recently.

*Download the Gadgets 360 app for **Android** and **iOS** to stay up to date with the latest tech news, product reviews, and exclusive deals on the popular mobiles.*

Tags: AI, Artificial Intelligence, Poaching, Science



In Asia, Netflix Trips on Regulation, Content, and Competition

Facebook News Feed to Show More Articles You Want to Read



AIRCEL Internet Free for 6 Months*

Two bodies One soul

₹ 7,499

BUY NOW

*T&C APPLY

FROM THE WEB

[News Anchors Who Will Make Your Jaw Drop](#)

My Daily Viral

[New Solar Tech in California Stuns Power Companies](#)

Free Solar Quotes

[Why This Razor Is Causing So Many Guys To Switch](#)

Harry's

[QUIZ: Can We Guess Your Highest Education Level?](#)

Topix Offbeat

[Donald Trump's filthy richness in 33 photos. These pictures prove just how filthy rich he is. Crazy!](#)

Filthy Rich Stars

[Sign Up If You Agree We Need A Democrat In The White House](#)

Hillary Clinton

Sponsored Links by Taboola

Panasonic Marine B
₹ 10,999

OnePlus Only: E1
₹ 14,999

LG G4 Stylus
₹ 14,049

Enter email for our ne

IN MOBILES AND

Latest

Panasonic Eluga I3

Docoss X1

HTC One S9

Swipe Elite Note

ZTE Blade L5 Plus

Meizu m3

Asus ZenFone Go 4.5 (ZB452KG)

Intex Aqua 4.5 Pro

Huawei P9 Lite

Acer Liquid Zest Plus

ZTE Blade A910

ZTE Blade V7 Max

Micromax Canvas Spark 2 Plus

Zuk Z2 Pro

LG G5 SE

FROM GADGETS :

Kult In M
₹ 9,999

XOL In M
₹ 6,999

Qikit In M
₹ 2,999

Uni In M
₹ 4,999

WATCH GAME OF THRONES S06E01 Right Now

9

Panasonic Eluga I3 With VoLTE Support Launched at Rs. 9,290

10

WhatsApp, FB Messenger, Hangouts, Slack, and More in One Chat App

MORE FROM NDTV

What Sussanne Khan Tweeted About Hrithik-Kangana's 'Leaked Picture'

'They are Lying,' Says Hrithik's Lawyer on Leaked Pic With Kangana

What Shah Rukh Says About His 'Childhood Friend' Manoj Bajpayee

Hansika Motwani Went Out of Her 'Comfort Zone' For This Movie

Is There Deliberate Misinformation On Bullet Trains, Asks Suresh Prabhu

Shah Rukh Khan Wants All Traffic to Stop For This Film

COMMENTS

Sign in using

or

Empty comment box with a small cursor icon at the bottom right corner.

Post to Facebook Post to Twitter

[Login & Comment](#)

by Taboola

OPINIONS



Gopal:
Game
Books
Watch

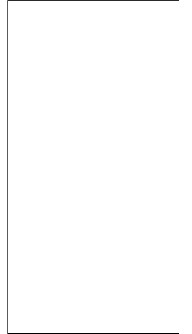


Ali Par
No, It I
Ditch t



Akhil
HTC 10
That S

ADV



DON'T MISS

[Roja Actor Arvind
People to Know Hi](#)

[Pay Off Your Hous
You've Not Missed](#)
LowerMyBills

[Microsoft Surface
Snapdragon 830 S](#)

[Myth: Keeping Dat
The Cloud.](#)
Microsoft

[The Reason Why S
Direct Housefull 3](#)

[10 Most Affordable](#)
Kelley Blue Book

[Karan Johar on Hi
Rukh's Sons Arya](#)

[These Sisters Tool
Years in a Row an
Absolutely Amazir](#)
Your Daily Dish



...जब बाजपा सांसद सु
राज्यसभा में लिया सौं

**Beautiful Cheerlea
Country**

Travelerseek

**Salman Khan As C
Has Critics. Aishw**

**Don't Buy Furnitur
Site**

Wayfair

[Sitemaps](#) | [Archives](#) | [Advertise](#) | [About Us](#) | [Feedback](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Complaint Redressal](#) | [Careers](#) | [Contact Us](#) | [RSS](#) | [Gad](#)

© Copyright Red Pixels Ventures Limited 2016. All rights reserved.