

# The Genesis

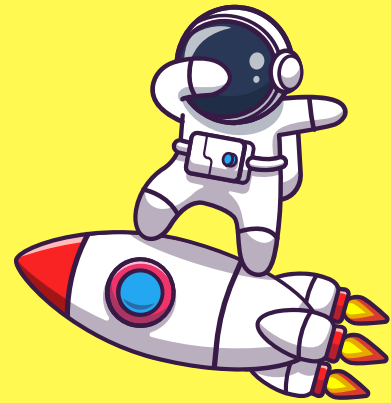


**Official Newsletter of  
GGITS**



# MARS

## IS LOADED WITH 50 TONNES OF TRASH



Humans have sent dozens of spacecraft to explore or study Mars since the 1960s and over the course of 50 years, have successfully managed to litter its surface with around 15,694 pounds of human trash.

According to the data provided by the United Nations Office for Outer Space Affairs, until now 14 separate missions have been conducted under which 18 human-made objects have been sent to Mars. Many of these missions are still ongoing, but over the duration of 50 years of Martian exploration, humankind has left behind a substantial amount of debris on the planet's surface as their legacy.

A lot of windblown trash has been found. In August 2022, Mars rover Perseverance spotted a shiny silver litter on the planet's surface. Also, the Curiosity and the Opportunity rovers came across debris in the years 2012 and 2005 respectively.

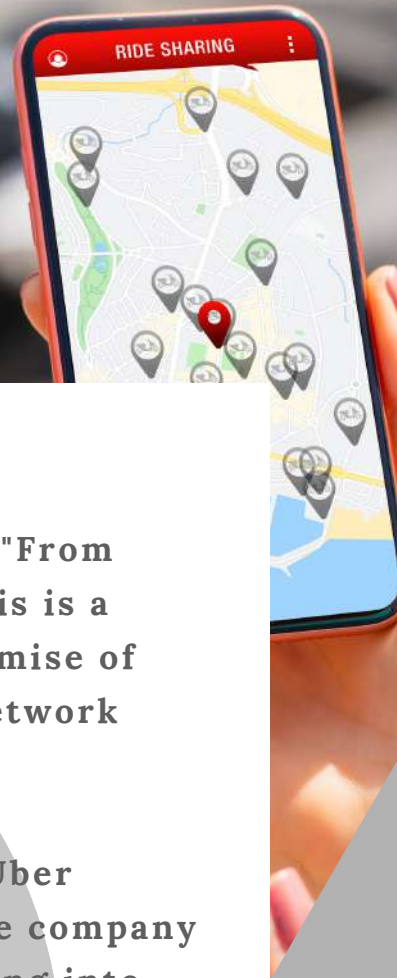
Trash or Debris on Mars is collected mainly due to discarded hardware, and inactive or crashed spacecraft on the planet's surface. Dead and crashed spacecrafts contribute significantly to the trash collection on Red Planet. Currently, there are around nine inactive spacecrafts present on the planet's surface.

Today, the main concerns regarding the trash on Mars is the risk it poses to current and future missions. Debris present on planet's surface can contaminate the samples we use for various studies and also they can cause difficulties in landings of other rovers. Thus this trash can hinder our understanding of the planet's history and its components completely.

**WRITTEN BY:-**

**PALAK JAISWAL(AIML)**

# UBER IS PWNED



On 22nd September, Uber found that their network connections had been hacked, causing the company to shut down many of their internal communications and engineering systems as it could be something big.

A teenager who's claiming to be responsible for the hack gave details about their emails, cloud storage, and source codes to many other hackers and cybersecurity experts and The New York Times, and it looked that many of Uber's internal systems had been hacked by this teenager.

Sam Curry, a security engineer at Yuga Labs who communicated with the person who claimed responsibility for the attack, said that "they pretty much have full access to Uber."

He also said that "From what it seems, this is a complete compromise of firm's internal network and security".

According to an Uber spokeswoman, the company is currently looking into the compromise that happened and has gotten in touch with law enforcement.

Many sources claim that this is the same teenager who recently hacked and leaked Rockstar Games' upcoming game Grand Theft Auto 6 unreleased footage and Source Codes

**WRITTEN BY:-**

**MOHD. FAIZ ANSARI(CSIOT)**



# 5G

## LAUNCHES IN INDIA

PM Narendra Modi unveiled the 5G services in India on 1st October, at the Indian Mobile Congress that started on the same day. While the event will stretch till 4th October, its main objective is to promote and introduce new & indigenous technologies.

National Public Broadcaster Doordarshan will be covering the whole event like any national event. It's natural that the whole country would not be able to get access to 5G services at one go, and in this growing process 13 cities will be getting 5G first. These cities are- Ahmedabad, Bengaluru, Chandigarh, Chennai, Delhi, Gandhinagar, Hyderabad, Jamnagar, Kolkata, Gurugram, Lucknow, Mumbai and Pune. Union Electronics and Information Technology minister, Ashwini Vaishnaw stated that the government is planning to develop 5G services across the nation in 2 years.

The telecom companies are yet to introduce tariffs & service-plans for 5G services but with the official release of 5G, it is only a matter of time till we get to see them. Telecom Giants like Jio and Airtel have announced that users can expect the tariffs and plans to release around fall.



5G telecom services boast of enormous coverage with lesser latency, along with high speed internet and higher power, network and spectrum efficiency.

**WRITTEN BY:-**  
Udyan Saxena (CSE)

# AI : The Future of Marketing

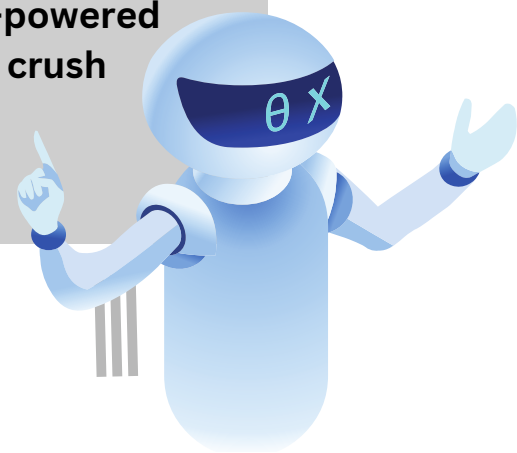


Marketing is one of the areas of business operations where it's widely predicted that artificial intelligence (AI) will drive enormous change. A study found that, together with sales, it's the one business function where it'll have the greatest financial impact. This suggests that if you're a marketer and you're not using AI, you're missing out on the advantages of what's possibly the most transformational technology.

There are numerous tools with AI features that we use without even considering it. Most commonly used social and programmatic advertising solutions, email marketing platforms, e-commerce solutions, and content creation tools all provide functionality that taps into what we now refer to as "AI" in business.

For Advertising Facebook and Google are the most important online advertising platforms, and they both offer tools that work by combining audience segmentation with predictive analytics. In public relations, AI can help by matching products with people that have cultivated audiences that are likely to be synched to a brand's appeal and values. Nowadays For content creation, AI is being widely used. "Content is king" has been accepted wisdom in marketing departments since the dawn of web2.0 and, therefore, the rise of user-generated content platforms (including social media).

Every aspect of its operations is driven by AI, like determining the chances of a selected piece of content going viral, suggesting what content visitors would love to see, and automating the routine aspects of publication like keyword selection, categorization, and personalization. In the end, every little step towards an AI-powered future can help keep brands ahead of the competition and crush revenue goals all year long.



**WRITTEN BY:-**

Nandan Patkar (AIML)



# Smart India Hackathon

*We are delighted to announce that these teams secured their position as finalists in the Smart India Hackathon, 2022, from the Gyan Ganga Group.*

## TEAM KALASHAKTI

Abhishek Shrivastava	IT	7th Sem
Anuj Bhatt	CSE	7th Sem
Arni Khare	CSE	7th Sem
Bhoomika Verma	CSE	7th Sem
Karan Kewat	CSE	5th Sem
Prakhar Dubey	CSE	5th Sem



## TEAM SAFEZONE 2.0

Rajkumar soni	IT	7th Sem
Piyush Pandey	IT	7th Sem
Roohi Sood	IT	7th Sem
Sachin Gupta	IT	7th Sem
Surbhi Lachhwani	IT	7th Sem
Yashika Khanna	IT	7th Sem

## TEAM TECH TYCOONS ONE

Darshika Jain	GGCT
Avadesh S. Chauhan	GGCT
Gourav Kushwaha	GGCT
Isha Sikdar	GGCT
Jatin Agarwal	GGCT
Palak Sharma	GGCT





# BOUNDLESS

creations



HARSH WARDHAN MOURYA  
AI-ML 1

@KevinCramer

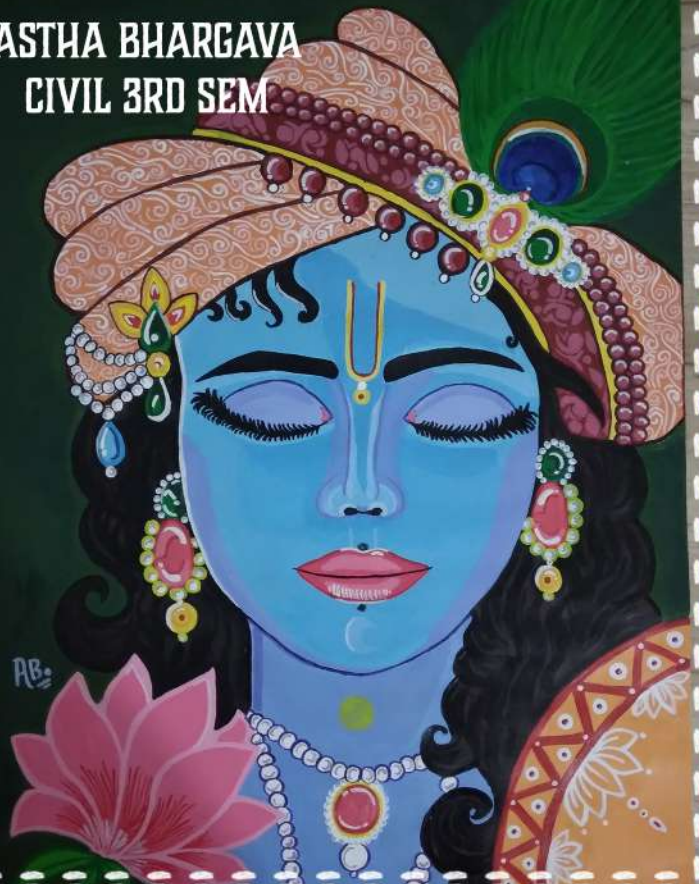


~CLICKED BY SAURABH PATEL  
(CSE)

मां तो मां होती है,  
मां जिसे सोच होंठ अपने आप मुस्कुरा दे,  
वो प्यार सा ख्याल होती है।  
जिसे सुन मन नाचने को करने लगे,  
मां ढोलक की एसी ताल होती है !

WRITTEN BY @SOMETHINGIS...

ASTHA BHARGAVA  
CIVIL 3RD SEM





# 15 August

आपसी कलह के कारण से , वर्षों पहले परतंत्र हुआ ।  
पन्द्रह अगस्त सन् सैंतालीस , को अपना देश स्वतंत्र हुआ ॥  
उन वीरों को हम नमन करें , जिनने अपनी कुरबानी दी ।  
निज प्राणों की परवाह न कर , भारत को नई खानी दी ॥

उन माताओं को याद करें , जिनने अपने प्रिय लाल दिए ।  
मस्तक मां का ऊंचा करने , को उनने बड़े कमाल किए ।  
बिस्मिल , सुभाष , तात्या टोपे , आजाद , भगत सिंह दीवाने  
। सिर कफन बांधकर चलते थे , आजादी के यह परवाने ॥

देश आजाद कराने को जब , पहना केसरिया बाना । तिलक  
लगा बहनें बोली , भैया , विजयी होकर आना ॥ माताएं  
बोल रही बेटा , बन सिंह कूदना तुम रण में । साहस व शौर्य  
- पराक्रम से , मार भगाना क्षणभर में ॥

दुश्मन को धूल चटा करके , वीरों ने ध्वज फहराया था ।  
जांबाजी से पा विजयश्री , भारत आजाद कराया था ॥  
स्वर्णिम इतिहास लिए आया , यह गौरवशाली दिवस आज  
श्रद्धा से नमन कर रहा है , भारत का यह सारा समाज ॥

जय हिन्द हमारे वीरों का , सबसे सशक्त शुभ मंत्र हुआ ।  
पन्द्रह अगस्त सन् सैंतालीस , को अपना देश स्वतंत्र हुआ ।

**DIVYANSHI JAIN**  
(AIML)



**HARSH WARDHAN**  
**MOURYA (AIML) 3RD SEM**



**DILPREET KAUR**  
**(CSBS) 3RD SEM**



# TOURISM DAY 2022











# Thank You



**Mentor:- Prof. Prakriti Kapoor**

**Graphics Designed by:-**

**Shashank Shekhar Pandey(CSE)**