

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY



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EXCLUSIVELY  
MGIT

# TEAM

# SYNERGY

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# FROM THE PRINCIPAL'S DESK

**- PROF. K. JAYA SANKAR PRINCIPAL**

It is with profound sense of pride and pleasure that we present you this second issue of SYNERGY. Every page unfolds a plethora of the abundant creative and literary talents of our ever enthusiastic students. You can feel the pulse of this great institution as the pages reveal our students' capabilities. SYNERGY is truly the systematic product of a team of people. These young shining stars with their well embedded roots and spreading wings are the promise of a great tomorrow. This institution serves as a springboard from where they can unleash their true potential.

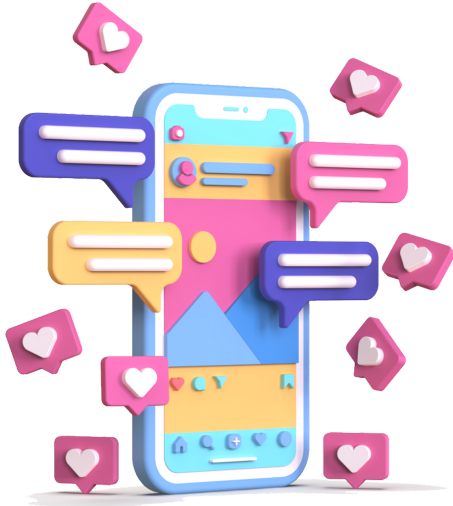
**"Yesterday - Hierarchy was the model.**

**Today - Synergy is the mandate."** - Dennis Waitle

I encourage everyone to go through this wonderful masterpiece of MGITians, whose quality ideas and contributions made the first edition of SYNERGY colourful and readable.

# DIGITAL FOOTPRINT

- A YODHA GOPAL (20261A04C3)



The advancement of technology has opened many doors. Some making our lives much easier and making Knowledge Omnipresent, while the others unleashed darkness that deprives the users.

This advancement can now analyze the patterns of your future; can predict the most probable decisions you make when faced with choices and can go as far as manipulating you to pick a choice which you wouldn't otherwise, in short make a virtual clone of you and all of this goes by without your notice. This, is not a concept of Science Fiction but a concept of near Reality and the key ingredient that makes this possible is your "Digital Footprint".

## WHAT IS DIGITAL FOOTPRINT?

To put it bluntly Digital Footprint is the information about a particular person that exists on the internet as a result of their online activity.

When a site you visit drops a "cookie" in your browser, it contributes to your digital footprint because it allows marketers, and others, to follow you around. When you write, or type, you use a pattern unique to you. Writers have a "fingerprint". The words you use, your punctuation, the subject matter, all help to identify you. Combine that with IP address, cookies, and other identifiers and you can see how your digital "footprint" may be a lot larger than you thought.

## TYPES

There are two kinds of footprints, active and passive. Passive digital footprints is the data that users leave involuntarily, the trail of data left by the activities of an Internet or other computer system users during their online activity, behavior, and transactions.

This is part of a broader category of unconventional data that includes geospatial, network, and time-series data and may be useful for predictive analytics. Every visited website, clicked link, and even hovering with a mouse is collected, leaving behind a trail of data. An enormous amount of often raw data are created, which can be in the form of cookies, temporary files, logfiles, storable choices, and more.

Active digital footprints are deliberate, as they are posted or shared information willingly. They can also be stored in a variety of ways depending on the situation. A digital footprint can be stored when a user logs into a site and makes a post or change; the registered name is connected to the edit in an online environment. Examples of active digital footprints include social media posts, video or image uploads, or changes to various websites.

### SIGNIFICANCE

It can be used to improve tracking trends and studying individual's digital footprint also improves the user interface and the layout design can be used to refine the predictive value of products and to

show customized content to the user. But a knife is not always used to chop vegetables. They can also compromise privacy, as they offer a valuable insight into the user's habits. The larger the digital footprint the greater the vulnerability towards 'Identity Theft'. In near future it would be even possible to create a virtual clone of the user with enough Footprint.

### PREVENTION

- Delete old E-mail accounts
- Limit social media to reduce a Digital Footprint.
- Steer clear of clickbait questionnaires (surveys) on random websites.
- Create E-mails specifically for shopping, marketing and other such kind of purposes and limit and personal identifying information you store on that E-Mail address.
- Set up stealth mode when you search, or use search engines like DuckDuckGo or Browsers like Brave which doesn't store your personal info. And stops any third-party sites from doing so.



# GREEN MOTIVE

- P V CHARAN (20261A6742)

Morning walk in nature, and listening to the people on a foggy road are considered to be a boon by many people. A day ending this lively is rare in the cities like Hyderabad. Urbanization separating humans away from Mother Nature. Of 600 sq. km of Hyderabad, only about 82 sq. km is covered with trees. The significance of nature is well known to everyone "Nature is not to be put in order; Nature is in the order. It is for us to put ourselves in unison with this order" said Henry Miller a 1900's American novelist. Margaret Mead an American Author, Anthropologist stated "Never doubt that a small group of thoughtful committed citizens can change the world; indeed, it is the only thing that ever has".

The work on nature never ruins, and will be back in an incremented way.

The work on nature never ruins, and will be back in an incremented way. The traditional ways of sustainable activities are slowly advanced to 'E' ways.

The E-mails replaced traditional postal mails, resulting in saving transportation, paper. Fujio Cho, Chairman – Toyota Motors stated, "Environmentally friendly cars will soon cease to be an option.... they become a necessity." It is expected that there will be 80% reduction in green-house gases on earth by 2050. India is responsible for about 194 million tones of fuel every year, which can be gradually decreased by opting EVs.

The fact that only 20% of electricity in India produced from renewable sources, reflects the dependency of county on non-renewable sources.

There is no planet B. The proper use of science is not to conquer nature but to live in it. E motive is the modern part of green motive that has improved result.

# ***ELECTRIC VEHICLES***

- G.KUSHAL (20261A04E1)

In the present generation the problem of rapid change in increase of global temperature has created the need for a reduction in the use of fossil fuels and the associated emissions. By using non-conventional sources of energy like electricity in our vehicles we can prevent the emission of harmful gases in the environment.

In the present generation the problem of rapid change in increase of global temperature has created the need for a reduction in the use of fossil fuels and the associated emissions. By using non-conventional sources of energy like electricity in our vehicles we can prevent the emission of harmful gases in the environment.

The use of EVs will encourage cutting edge technology in India through adoption, adaptation, and research and development. EVs manufacturing capacity will promote global scale and competitiveness. There is no need to change engine oil in an electric vehicle which also helps to provide a better future for our progeny and sustainable development of our country. A robust boost in a push in greener mobility is required. The shift towards renewable energy sources has led to cost reduction from better electricity generating technologies. This has introduced the possibility of clean, low-carbon and inexpensive grids.

Advancements in technology always helps in betterment of humanity. Electric vehicles run from electricity and doesn't emit smoke thus it is very helpful for reducing the pollution which causes many types of life-threatening disease. Smoke is also one of the major causes of global warming. Thus, using electric vehicles will reduce global warming. Recently Delhi Government has launched 'Switch Delhi' campaign a Jan Aandolan to promote use of electric vehicles. This initiative has been taken by Delhi Government to cut down air pollution caused due to smoke emitted by traditional petrol & diesel vehicles.



# HOW WELL DO YOU KNOW YOUR CURRENCY?

- RAZI AHMED (20261A6649)

Everyday we hear about the appreciating and depreciating values of the of our Indian currency against the standard US Dollar \$. Ever wondered who decides it and by what parameter does it fluctuate?

Neither the Indian Government nor the Reserve Bank of India determines this value but the value of the rupee is determined by the "Currency Market ". At present, India uses the Floating Point System to determine the value of the Indian Rupee which is determines according to the demand and supply of the Indian rupee by other countries.

## FIXED EXCHANGE RATE SYSTEM

From the time of Indian independence when 1₹ was equal to 1\$, till 1975 India followed the system of Fixed Exchange Rate in which the value of the rupee was fixed against the dollar for imports and exports of good and services , this system was implemented by the GOI and the RBI.

Fiji, Kuwait, and Morocco are among the few countries which maintain this system even today but India now maintains a basket of currencies rather than a single currency which helps in maintaining our economy.

## WHY DOES THE INDIAN RUPEE DEVALUATE?

Reasons such as Economical crisis, political crisis are behind the devaluation of the Indian rupee.

## FLOATING POINT EXCHANGE SYSTEM

In this system, the currency price is set only by the Forex Market based upon the demand and supply in it. Hence the price of the currency "floats" i.e. appreciates/depreciates with the supply and demand of the imports and exports. This system was implemented only after the liberalization of the economy. Presently, according to the floating system, the INR has depreciated to 78.25 rupees per dollar.

## THE FOREX MARKET

Foreign Exchange or simply the Forex Market is the largest financial global marketplace that determines the exchange rate of the currencies around the world. Forex Markets provides the de-facto dollar currency which India will have to pay back when it imports the goods and services from the USA. Here, the dollar's demand is more in the forex market, the dollar appreciates as more forex reserves are paid with a much higher value than INR.

The Forex market provides the feasible option for buying and selling foreign reserves which are accounted in billions. Currently, India holds \$593.28 billion in forex reserves which are further classified as 89.21% in assets, 6.83% in gold, 3.07% in International drawing rights by IMF, and 0.83% in the reserve position in the International Monetary Fund.





# SPORTS IN MGIT 2022

PLAYING COLLEGE SPORTS IS ABOUT LIFE  
LESSONS MORE THAN CHAMPIONSHIPS!

- G.V.PRIYANKA (21265A0402)

College athletics involve more than just playing games. For many of the students, it's a way of life. Every year, MGIT holds sporting tournaments under the banner of "NIRVANA" to develop the talent. The Institution promotes and runs sports, which has inspired a large number of students to participate in all of the branches. The event is well-organized, allowing plenty of practice time without interfering with academics. The fair way in which the students were treated made the event a smashing success.

Men's Cricket, table tennis, and kabaddi contests have all been won by ECE, basketball by CSE and volleyball by EEE.

The occasion became even more grateful at the point when each kid had accepted winning and losing with good sportsmanship.

Each team member gave their all.



# THE DEFAMATION TRIAL

'MEN ALSO FALL PREY TO DOMESTIC VIOLENCE'

- SUMAYYA MAQDOOM (20261A6652)

One such example is the defamation lawsuit between Johnny Depp and Amber Heard. The star of Pirates of the Caribbean, Johnny has sued his ex-wife Amber for a 2018 op-ed in The Washington Post, where she described herself as a victim of domestic violence and wrote,

"I became a public figure representing domestic abuse and felt the full force of our culture's wrath for women who speak out."

Even after multiple tries by Depp to refuse the allegations, he still got caught up in a tsunami and has been labelled as 'WIFE-BEATER'. Eventually, Depp's image lost its shine with tales of off-screen excess before his star power was all but extinguished.

After the fourth time of trying to sue his ex-wife, he successfully filed a defamation lawsuit and was set to begin on April 11, 2022, at the Fairfax County courthouse in Virginia.

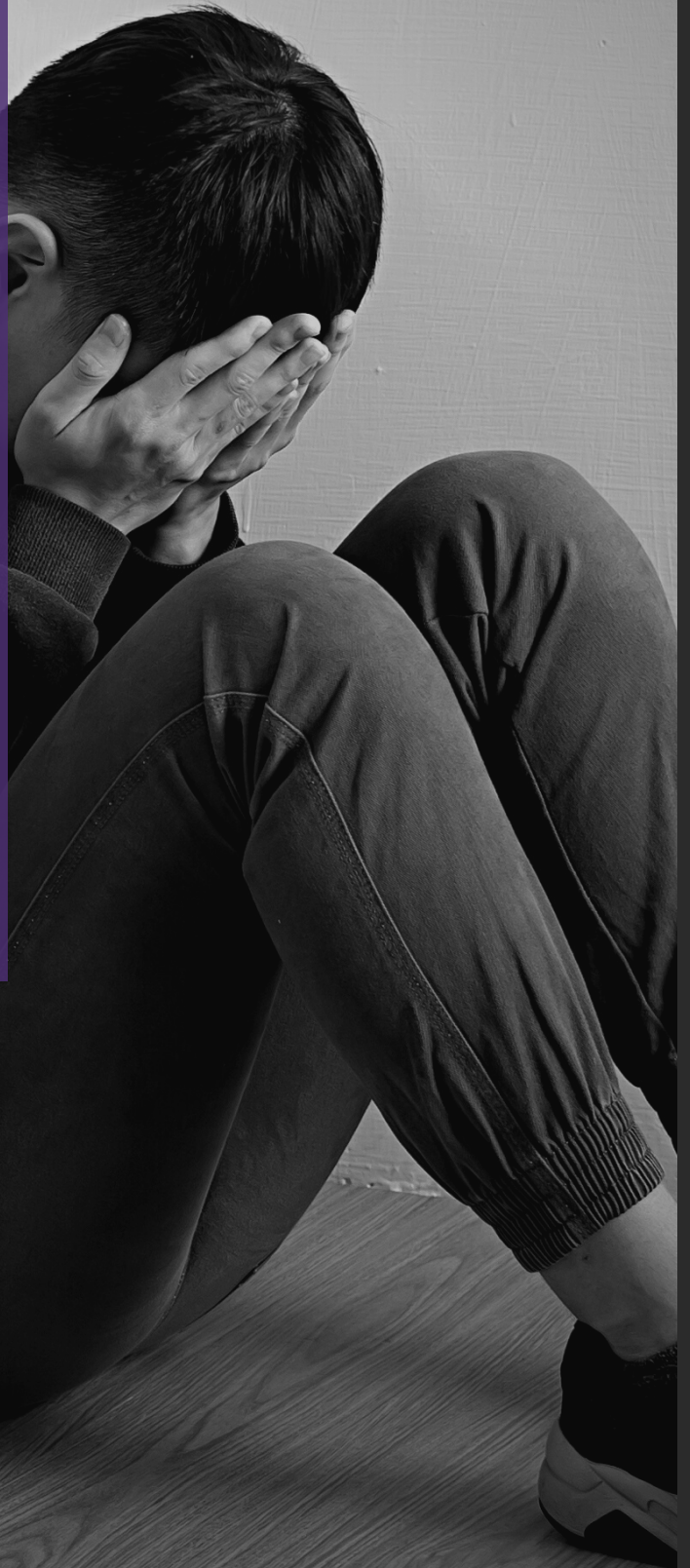
In opening statements, Heard's lawyer, J. Benjamin Rottenborn read out the full op-ed and argued that it was clear that the article wasn't meant to drudge up allegations against Depp, but to speak about an issue impacting pending legislation. Rottenborn argued that if Heard had intended to describe her relationship with Depp "believe me, the article would have looked very, very different."

Depp's lawyer Benjamin Chew blasted Heard as a liar, saying in court that her accusations ruined Depp's career and alienated him from producers who once favoured the movie star.

On April 20, 2022, Depp revealed that Heard was the real Circus-master in the relationship, The actor also added he suffered from an endless parade of insults, violence, and physical abuse.

Camille Vasquez Johnny Depp's defence lawyer stood by his side and proved multiple times with evidence that Amber has been caught lying about the false allegations and about the divorce settlement with Depp that she promised in 2016 to donate the entirety of her 7 million dollars to the ALCU charity. The news spread like wildfire throughout the internet and has burned the lies of Amber Heard including the phrase "MY DOG STEPPED ON A BEE" which has been the centre of attention on many social media platforms.

The jury concluded on June 1, 2022, after six weeks of trial testimony, and found both Depp and Heard liable for defamation against each other they have awarded Depp \$15 million in damages from Heard and awarded Heard \$2 million from Depp.



# MGIT:

## *THE JOURNEY TO AUTONOMY*

- P AYESHA KHANAM (20261A6741)

MGIT, a Knowledge Hub driven by its motto - "Knowledge is Power"

MGIT envisions, inspires and motivates its students to imbibe knowledge with which they can excel and serve the nation with great flair.

MGIT (affiliated to JNTUH) was established by the Chaitanya Bharathi Educational Society (CBES) in the year 1997 to strive towards the development and transfer of knowledge and skills in many diversified academic and professional fields. Let us have a glance at some of its achievements and goals herein below:

- It is a matter of great pride that the institute is ranked one among the top 250 engineering colleges in the country by the NIRF -2020 (National Institutional Ranking Framework), MHRD (Ministry of Human Resource Development).
- MGIT is accredited by NAAC (National Assessment and Accreditation Council) for a period of 5 years with grade 'A' valid till November 2023 and CGPA of 3.14.
- MGIT consistently maintaining accreditation from NBA (National Board of Accreditation) since 2009. NBA for the academic year 2021-22 was also accorded on 23 September 2021 assuring that the graduates of courses possess enough academic background for going ahead with their professional career and engineering / computer-related disciplines.
- MGIT is also a categorized private or self-financed institution in ARIIA 2020-21 (Atal Ranking of Institutions on Innovation Achievements), Ministry of Education.
- AICTE (All India Council for Technical Education) has also accorded approval for the academic year 2021-22 (Extension of Approval) on 2 Jul 2021. Also, MGIT stands top 100 in India, top 50 in south India and top 2 in Telangana State.

- MGIT is continuing to maintain its position in the placements (placing 1200+) with 98% campus placements in various reputed MNCs and Corporate companies with the highest package of Rs. 70 lakhs per annum this year.

The above undoubtedly proves the positive performance of MGIT including the quality standards in teaching, research, administration, placements and innovation.

In recognition of its continuous efforts/performance and after due compliance with the criteria stipulated by UGC including academic reputation, quality of education, placements, achievements, administration, financial strength, etc., MGIT has achieved the targeted milestone of autonomous status and UGC has granted autonomous status for 10 years from the year 2021 (i.e., 2021-22 to 2030-31).

Also, MGIT has successfully completed 25 years (1997-2022) journey of its excellence duly achieving all goals and meeting all the objectives thereby celebrating SILVER JUBILEE this year. It is a pleasure to all of us to be a part of this great accomplishment and its celebrations.

We are sure that this marvel would continue in future.

On a final note, we heartily congratulate everybody who is involved in this incredible journey.



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**THANK  
YOU**  
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