

# PRODIGY

VOL-1



PRODUCTION  
ENGINEERING  
ASSOCIATION

 [www.gctpea.in](http://www.gctpea.in)



“

No one person can shape the life of another. Your success and happiness depends upon your own self. Think for yourself and have a plan of life.

**-SIR M.VISVESVARAYA**

”

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# EDITOR'S NOTES

Greetings from the Editorial Board. It is an immense pleasure to release this magazine on the auspicious occasion - IGNITE'22. The Production Engineering Association has given lot of efforts by exposing the student's work through this magazine which includes technical articles, bi-lingual literary works, micro-tales, riddles, puzzles, do you know?, sketches, and photographs exclusively done by our students. It is hoped that the magazine will be taken forth and issued in the upcoming years with more unique and innovative works.

# DESIGNERS



**HARISH**  
(3rd Year)



**KUMANAN**  
(3rd Year)



**MATHESH**  
(3rd Year)



**RAMALINGAM**  
(3rd Year)



**SALONI**  
(3rd Year)



**GOKULNATH**  
(2nd Year)



**SANJAI**  
(2nd Year)

## EDITORS

**AJITH KUMAR** (3rd Year)

**SANDEEP** (3rd Year)

**ANTONY** (3rd Year)

**THIRUVENGADAM** (3rd Year)

**NATHEESH** (3rd Year)

**VELMURUGAN** (3rd Year)

## CONTENT WRITERS

**AATHITH** (3rd Year)

**HASWEK** (3rd Year)

**MONIHASREE** (3rd Year)

**PAVITHRA** (3rd Year)

**POOARASI** (3rd Year)

**PRIYADHARSINI** (3rd Year)

**ROHITH KUMAR** (3rd Year)

**SAMEEMA FATHIMA** (3rd Year)

**SWETHA** (3rd Year)

## MESSAGE FROM PRINCIPAL



“

I am intensely contended about the continuing effort put forth by the students and the faculties of Production Engineering Association in organizing the technical symposium , IGNITE'22. I am also jubilant that the students and the faculties are involving completely in organizing workshops and technical symposiums over the academic year. I congratulate the Production Engineering Association for taking initiative to release the magazine "PRODIGY VOL I", that showcases student's talents as a part of IGNITE'22.

-Dr. P. THAMARAI, Ph.D.,

”



## MESSAGE FROM **HOD**



“

It is very happy to note that the Production Engineering Association is organising the IGNITE-2022 Symposium with various technical events on 05/12/2022. I believe this event engages the students as leaders and decision-makers in their own learning. I hope IGNITE-2022 encourages the eager participation in technical events of various students across the state. I also hope that the conduction of IGNITE-2022 provide our students to improve organising and management skills. I wish IGNITE-2022 a grand success!

-Dr. S. SRINIVASA MOORTHY, Ph.D.,

”

# PRODUCTION ENGINEERING ASSOCIATION

**PRESIDENT**



**Dr. S. SRINIVASA MOORTHY, PhD.,**  
Head Of the Department  
Production Engineering

**TREASURER**



**Mr. M. SANKAR KUMAR**  
Assistant Professor  
Production Engineering

**GENERAL SECRETARY**



**GOPINATH P**  
2022 - 2023

**STUDENT TREASURER**



**GUNA SEKARAN G**  
2022 - 2023



“

**DR.S.SRINIVASA MOORTHY M.E., PH.D.,**

An energetic and dedicated person. As our Associate Professor, He have been an invaluable member of the team. He has consistently brought the passion and enthusiasm among students.

”

“

**DR.A.SASIKUMAR M.TECH., PH.D**

An enthusiastic and energetic Program Coordinator. A man with abundant knowledge and who extends his mindful thought to make budding blooms life even more brighter and smarter.

”



“

**PROF.G.VIJAYA RAJA RAGAVAN M.E.**

A calm attitude person whose way of guidance escalates the students knowledge. He is a person who narrates his experience and gives us the crust of concepts.

”





“

## PROF.N.AJAYMANIKANDAN M.E.

A bold & energetic person whose way of guidance escalates the students knowledge. He narrates his experiences with his extending knowledge and gives us the crust of concepts.

”

“

## DR.S.KUMAR M.E., PH.D.,

A calm attitude person whose way of guidance escalates the students knowledge. He the person who narrates his experiences and defines us the crust of concepts.

”



“

## DR.P.ILAMATHI M.E., PH.D.

An energetic and inspiring person. Loved by students and staff alike who brings knowledge, enthusiasm and joy to our students.

”



“

## PROF.M.SANKAR KUMAR M.E.

An enthusiastic and bold person who holds the treasure kingdom of our department . He elucidates and restores knowledge to students up to date .

”

“

## DR.D.KANAGARAJAN M.E,PHD

A man with abundant knowledge and who extends his mindful thought to make these younger generations life even more brighter and smarter.

”



“

## PROF.M.MATHANRAJ M.E.

A guiding person who consistently brings out the passion with his dedication among the students. He defines us the crust of concepts innovatively.

”



“

## MR.S.BALAKRISHNAN M.E.

A young research scholar who turned to be student's favourite in a short span of time. Creates a joyful environment to learn which helps students to achieve new success milestones.

”

“

## MS.N.NEVHETHA M.E.

A dedicated and encouraging person. She elucidates and restores knowledge to students upto date.

”



**FINAL YEAR**

**Dr.J.J.RUDRA BLOCK**



**THIRD YEAR**

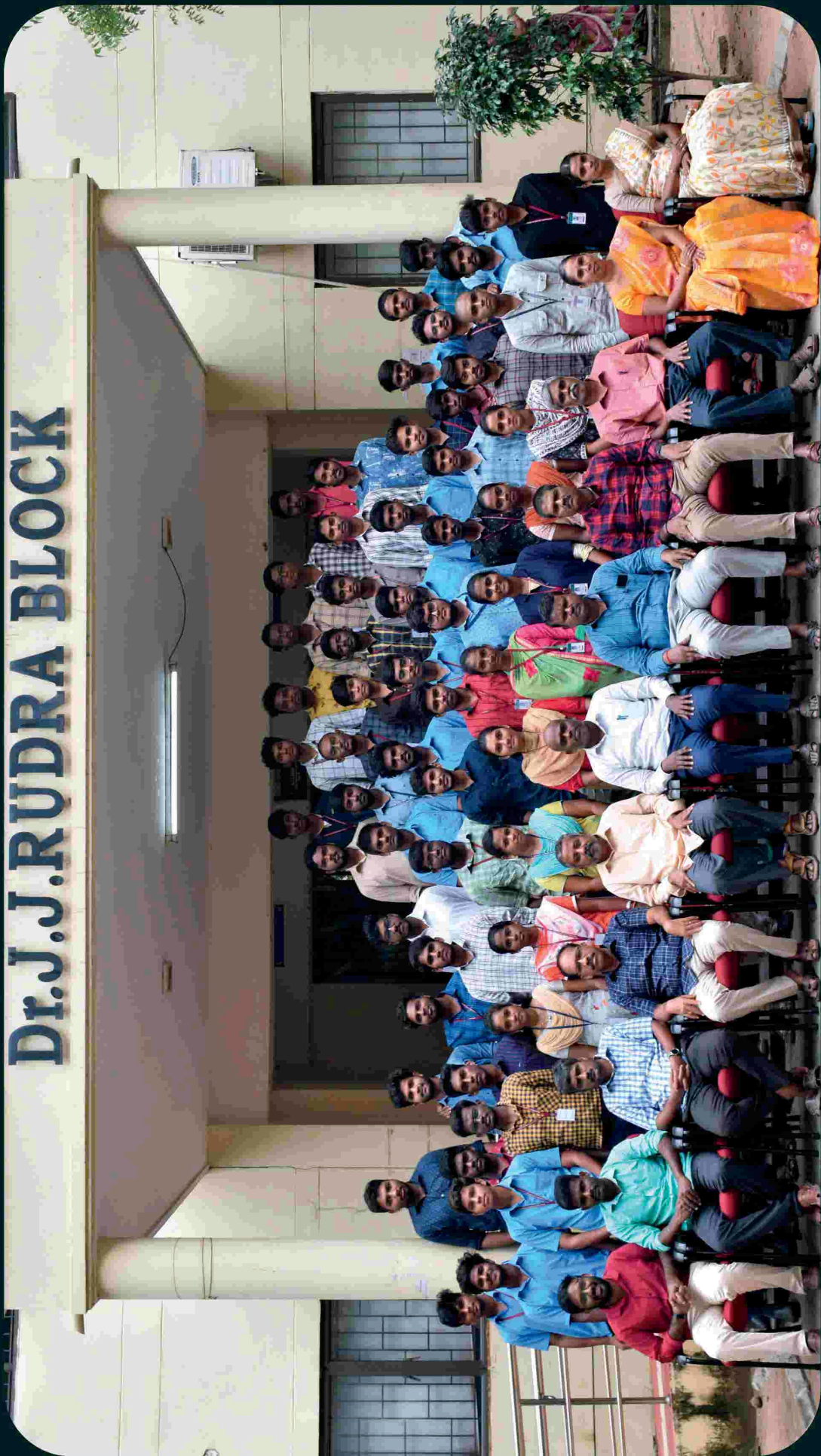
# Dr.J.J.RUDRA BLOCK





**SECOND YEAR**

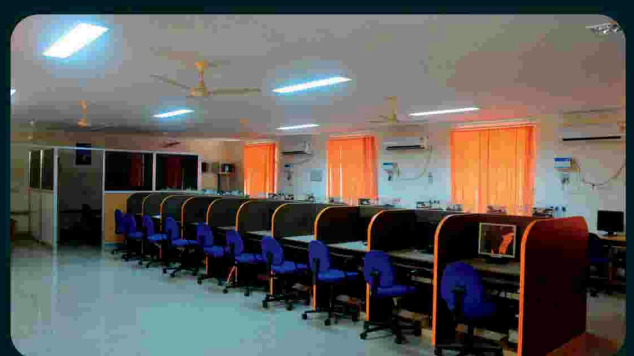
**Dr.J.J.RUDRA BLOCK**



## MODELLING LAB



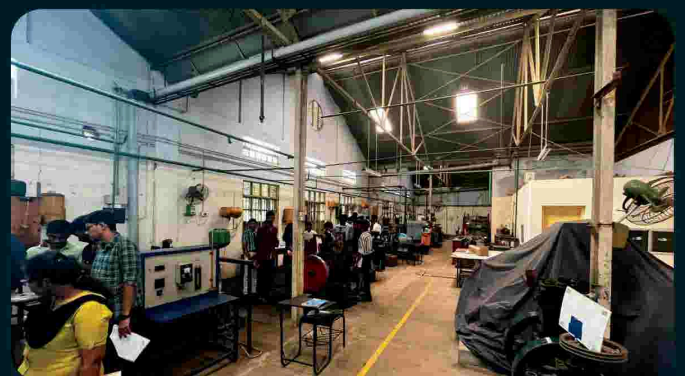
## SIMULATION LAB



## METROLOGY LAB



## THERMAL LAB



## SOM LAB



## WORKSHOP



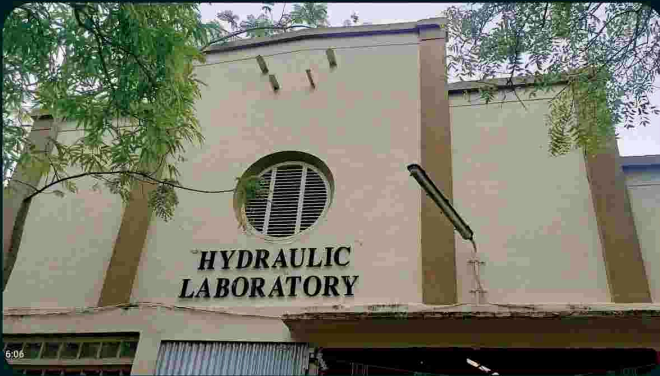
## MECHATRONICS LAB



## MANUFACTURING LAB



## FMM LAB



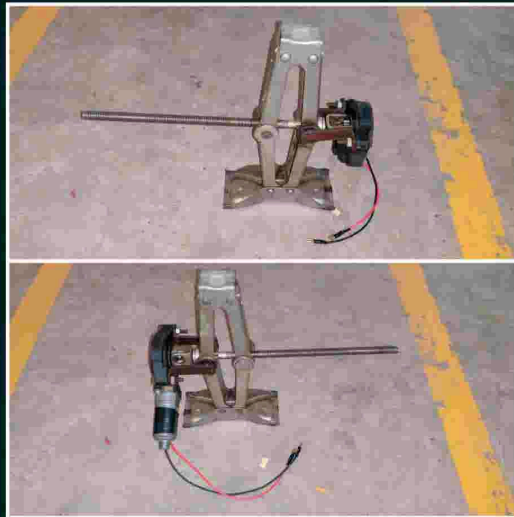
## PROJECT LAB



VACUUM FURNACE	
INNER DIMENSIONS	17" W x 17" x 17" D.
MAX. ATTAINABLE TEMPERATURE	800°C
CONTROLLER OPERATING TEMPERATURE	500°C
VACUUM PUMP	100 Liters, Backlit Stage
GAS FLOWING PROVISION	Can Provision For Inert/Reduct Gas

# PROJECTS

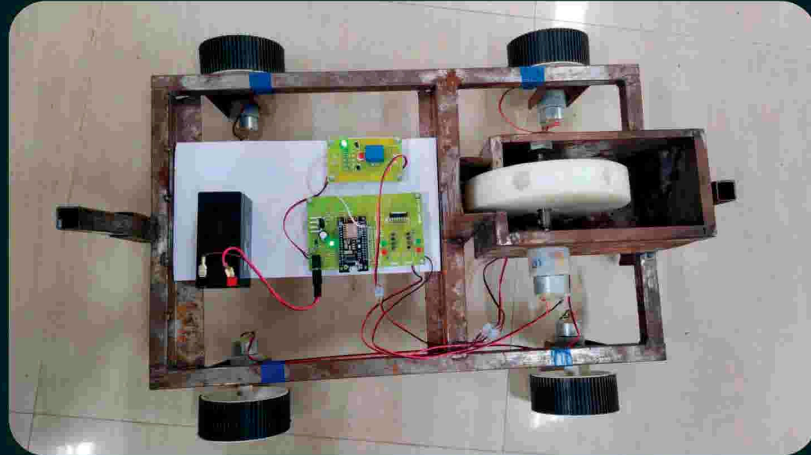
## Automatic Hydraulic Jack



### SYNOPSIS :

- In this work, different types of jacks and their influence property are examined
- for changing flat tyres of cars and scissor jack is best suited. This project involves joining of DC wiper motor to scissor jack by fitting and joining process. The scissor jack used in this project work has a rated capacity of 3 ton and DC wiper motor is taken from wiper system of Light commercial vehicle that has input of 12Voltage.
- The jack is fitted with motor with a help of connection made by a nut, and it is welded to prevent from loosening. Then a plate is fitted to motor so that it acts as support and prevent motor by falling also two rods were welded to between plate that holds motor and scissor jack. It gives additional stability of the work and completely arrests the degree of freedom. Source for the motor is taken from 12V Commercial Car battery. The prototype model is tested under real condition and their result is presented for evaluation. The inabilities and design flaws in this work is also addressed in this report.

# Automatic seed sowing machine using IOT

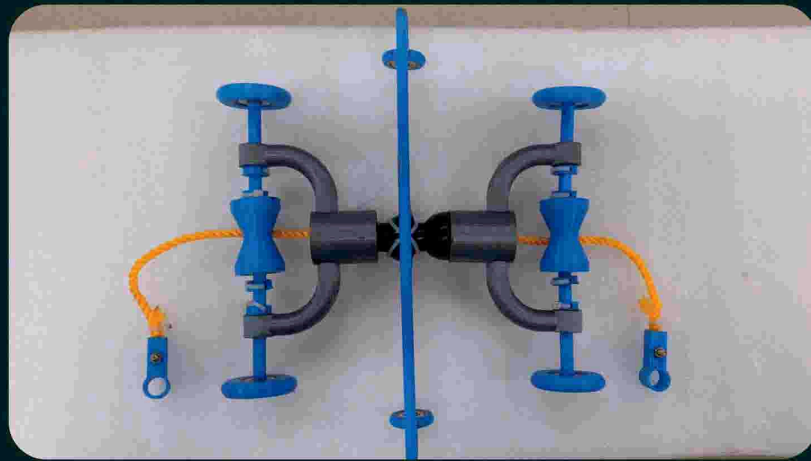


## OBJECTIVE :

- The machine is aimed for using in agricultural works where several operations like ploughing, seed sowing; water/ pesticide spraying is needed. The main objectives of this machine are,
- To fabricate an economically efficient agricultural machine that reduces the man power.
- To reduce the time of work.
- To fabricate a light weight and portable machine
- To complete large amount of work in less time.
- The usage of IOT can be utilized for Battery charging. As the Machine works in the field, the rays of the sun can be used for IOT power generation .The agricultural processes like seed sowing, ploughing, spraying etc can be done through traditional methods, but it is time consuming and requires more man power. The modern machines like tractor, seed sowing machine and sprayer can be used for this purpose. But it is more costly average middle class farmers cannot afford it. In order to tackle this problem, we are creating equipment which can perform several agricultural operations like sowing, ploughing, and spraying, which will minimize the cost and man power. The main aim of this equipment is to support small and medium scale farmers.



## **Conceptual Design and Fabrication of Safety Mechanism to Prevent the Accidents Due to Landslides**



- The main motto of our project is the commitment of safe, healthy and sustainable mobility and the goal of zero victims of serious and fatal unintentional injuries.
- Innovation (including our Social Innovation Awards), conferences and studies on injury prevention with the aim of designing actions that are increasingly based on scientific evidence, objectivity and efficiency
- As part of our mini project in our academic curriculum, we developed an initiatives related to injury prevention in general as well as safe, healthy and sustainable mobility, which address and improve specific aspects of the world in which we live.
- The strategic objective of the Accident Prevention and Road Safety Area is to prevent a few types of unintentional injuries, in the conviction that the vast majority of these are avoidable. We pay attention particular to safety travel to vehicles traveling over vehicles, as this is the area where the highest number of serious injuries and fatalities occur globally, along with fire injury prevention.

- Mechanical designing without creation and assembling is pointless and indivisible. Generation and assembling process manages change of crude materials contributions to completed items according to required measurements details and proficiently utilizing ongoing innovation
- Purpose of this Project is to Develop of an Accident Prevention Safety for hill Station that uses the
- Tracj and rope as a main Function of design. The Principle objective of this Project was to design a Safety track control and pull the vehicle passing through the risky edge at turning of hills.
- This project deals to develop a prototype of Safety track with rope that function manually that need to be developed at the place of accident zone.
- This system will hold the movement of vehicle for some timemake improvement towards the manually operation before
- this. Humansupervision will be considered if there are
- problems occurred while this system was operate

#### **OBJECTIVE :**

- 1) To design and fabricate safety mechanism track with holder to pull and give additional support to the falling vehicle from the turning of hills.
- 2) To increase the safety.
- 3) To overcome the capital loss and human lives. Because in other existing mango cutting machines, they are carrying the mango pieces from one machine to another machine to do different operations like first cutting the mangos into two pieces and then cutting those pieces into cubic pieces.
- 4) To reduce the risk of unexpected accidents at dangerous area.

# Smart Electro - Tle



- In many hospitals during emergency hours and tough situations ,it is impossible for the patient and the nurse to monitor the Electrolyte Bottle level, due to their inability to move and busy schedule of nurse.To handle this situation , we have come forward with a solution . It is simple and cost efficient .We introduce SMART ELECTRO-TLE (Smart Electrolyte Bottle). It is smart as it is named.
- This smart electrolyte bottle consists of strain gauge load cell (weight sensor), solenoid valve, electrolyte bottle and hanging stand, Node MCU.The strain gauge load cell is placed at the end of the hanging stand.The electrolyte bottle is made to hang over the strain gauge sensor which measures the weights of the electrolyte bottle.When it reaches the lower limit, the strain gauge sensor, sends a signal to the control unit.The control unit consists of Node MC , Relay and Solenoid valve.Our project helps in preventing life threatening risks such as blood loss, air bubbles formation etc and makes the patient to take rest and to get well soon . When the electrolyte bottle is drained completely, it also gives an alarm to the patient so that him /her and the nurse who is assisting the patient get notified through IoT.

# EXTRA CURRICULARS

**NARENDRA VIMAL RAJ. K**

**Final Year**

Deputy Secretary of communication  
Designer ( Administration Aspirants Council )

**VARSHINI. S**

**Final Year**

Transmission Subsystem Lead  
( Team Screwtenizers - SAE GCT )

**KRISH. APJ**

**Final Year**

Vice Captain  
(Ball badminton - Sports Club GCT)

**SANTHIYA. R**

**Final Year**

Director of customizing and archives  
( Rotaract Club of GCT Coimbatore )

**SASI KUMAR. N**

**Final Year**

President at Y's Service Club of Pollachi YOUTH,  
Head of Tech Developers Community at Y's,  
Service Club of GCT YOUTH,  
Students Coordinator at ED Cell

**AKSHAYA**

**Final Year**

Gsarc(Alumni Relations),  
Rotaract (Director of Customizing and  
archives),  
LDS(Drama team)

**VIMALKUMAR P**

**Final Year**

Coordinator  
( Eliminators club of GCT )

**AZHAGUSUJA. M**

**Final Year**

SRF & NSS  
( Co-ordinator )

**GOKUL. S**  
**Final Year**

Captain  
(Table Tennis- Sports Club Gct)

**NIVETHITHA. J M**  
**Final Year**

SRF  
( Co-ordinator )

**BHALA SUNDAR. M S**  
**Final Year**

Chassis Subsystem Member  
( Team Screwtenizers SAE GCT )

**SUVETHA. S**  
**Final Year**

Steering Subsystem Lead  
( Team Screwtenizers SAE GCT )

**KARTHIK. S**  
**Final Year**

( Designer Coding club of Gct )

**MEENALOGHINI. B**  
**Final Year**

Brakes Subsystem Member  
( Team screwtenizers SAE GCT)

**DEEPAN. N**  
**Final Year**

Industry Readiness Cell  
(co-ordinator)

**ROHITH KUMAR M**  
**Third Year**

Head of Tech Developers Community at Y's Service  
Club of GCT YOUTH.  
Alumni Relations Member at gSARC.  
Reporter's Team at SJC.

**SWETHA R**

**Third Year**

Chairman of Podcast at Y's Service Club of  
GCT YOUTH.

Alumni Relations Member at gSARC.  
Representative at Women Empowerment Cell

**ROBIN A**

**Third Year**

Vice captain  
( basketball )

**THANUSHKUMAR S**

**Third Year**

SRF  
( Co - ordinator )

**RAMPRADEEP P**

**Third Year**

IRC  
( Co-ordinator )

**DEEPAK G**

**Second Year**

Finance secretary in DAC

**HARISH G**

**Third Year**

Vice Captain  
( Table Tennis )

**ANTONY SIM FERREZ D**

**Third Year**

SRF  
( Co - ordinator )

**AATHITH S**

**Third Year**

Entrepreneurship development cell  
Coordinator,  
Alumni Relations Member at gSARC.

**ABILA A**

**Second Year**

Event co-ordinator in DAC

# ACHIEVEMENTS



Won 2nd prize in Project Presentation, in national level technical symposium conducted by ISM Dhanbad



Secured 1st place in Paper and 2nd place in Project presentation conducted by Vellalar College of Engineering and Technology, an National level technical symposium

Secured 2nd place in Case writing competition conducted by Y's Men International



Won 1st prize in Paper and 2nd Prize in Project presentation conducted by Sri Ramakrishna Engineering College, an National level technical symposium



Won 1st prize in Paper and 2nd in Project presentation conducted by Sree Sakthi Engineering College, an National level technical symposium.

Secured 3rd place in Project Expo conducted by Jeppiaar Institute of technology.







## Rampradeep & Robin

Basket Ball Zone Level (3rd)

## Kumara Guru Prasad

1st Prize on Product to Design Competition at KGISL College.



## Nithesh

1st prize in Wall Painting and Brushless Painting in Muththamizh Vizha.

## Abinauv

Dance District Level 2nd Prize  
SRF- DRAFTINN 1st Prize





**Abila**

Long jump(2nd), 200m(3rd) -  
Rotract State Meet

**Lavanya**

Basket Ball Runner Up in GCT  
Tournament

**Kedarnath**

Basket Ball Zone Level (3rd)

**Thejasi**

Yuva india Street Play (3rd)

**Suganya**

Villupaatu (3rd) - NIT



**Gayathri & Deepa**

Kalam (2nd) paper presentation  
Karpagam College

**Gokulnath**

Anna University Regional Campus  
Drawing (2nd) - ekna 2022



# Poem

EVE...

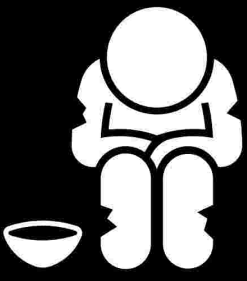


-GAYATHRI BUVANESHWARAN

[II Year]

THE BOUGAINVILLEA YOU PICKED  
FROM THE SIDE LANE FOR YOUR JOURNAL,  
THE POLAROID YOU'VE HID IN YOUR FAVORITE NOVEL,  
THE UMPTEEN NUMBER OF SUNSET PICTURES  
THAT TRY TO COMPETE WITH YOUR BEST FRIENDS  
LAUGHTER IN YOUR GALLERY,  
THE MOON THAT SINGS LULLABY FOR YOU ON  
SLEEPLESS NIGHTS.

EVERY LITTLE HAPPENING COATED  
WITH LOVE AND WARMTH ARE  
SONGS FROM WIND CHIMES FROM A FAR AWAY GALAXY  
WHO TAKE INSPIRATION FROM YOUR HEART BEATS TO COMPOSE,  
SEND IT BACK TO YOU TO REMIND HOW MUCH YOU'RE LOVED BY  
THEM IN THEIR WORLD,  
A WORLD SO BLISSFUL WHERE MOON AND SUN HOLD HANDS  
AND GAZE AT THE BOUGAINVILLEAS THAT  
KEEP BLOOMING ON A YELLOW OCEAN EVERYTIME YOU SMILE.



# வனுமை

-அ.ரா.ஜீவா  
நான்காம் ஆண்டு

வெற்றிடம் இல்லா இவ்வுலகில் வயிற்றில் வெற்றிடம் நான் கொண்டேன்,  
தங்க ஓரிடம் இல்லா நிலையில் மரத்தின் வேரீடையில் நான் தங்கினேன்,  
படிப்பைக் கூட பாதியில் விடும் பாவ நிலையில் நான் நின்றேன்,  
வேலைத்தேடி போகையில் தகுதி என்னும் வேள்வியில் நான் விழுந்தேன்,  
கணினி கற்றிருக்க வேண்டியவன் கட்டிட வேலை செய்திருந்தேன்,  
காதலிக்க கூட தகுதியில்லா கானகத்தின் நடுவே நான் நின்றேன்,  
கல்யாணம் எனும் கனவை காலத்தின் வழி(லி)யில் நான் தொலைத்தேன்,  
தந்தை எனும் சொல்லைக் கேட்கும் தகுதியை நான் இழந்தேன்,  
மண்ணுக்குப் போகும் இந்நேரத்தில் மாலை கூட உடன் வரவில்லை...  
மக்கிப் போகும் இந்த பணம் மானுட உலகின் சாபமே!



# குழம்பிய பயம்

- லலிக்குமார். ஆ  
இரண்டாம் ஆண்டு

தெரிந்தும் தெரியவில்லை எங்கு இருக்கிறேன்? என்ன செய்கிறேன்? என்று.

காரணம் அறியா செயல்கள் அறிந்த காரணத்திற்காவது உதவுமா?

தெரியவில்லை. ஆனாலும் நகர்கிறேன் சந்தேகத்துடன். வாழ்கிறேன். வாழ்க்கை மீதுள்ள பயத்துடன்.

சென்றடைவது பவனமானாலும், சந்தோச மனநிலையின் மீதுள்ள பயம்.

குடிலானாலும் வாழ்க்கையின் நகர்வின் மீதுள்ள பயம்.

ஆனால் இப்போது யோசிக்கிறேன் என்னுடைய பயம் வாழ்க்கை மீதா? என் மீதா? என்று.





# சிறு கதை.....



## ஒரு நாள் இரவு



இரவு நேர தென்றல் அவனை வருடி செல்ல, ஏதோ ஒரு சிந்தனையில் அவன் தன் கால்கள் சென்ற திசையில் சென்றான். திடீரென ஒரு குரல், அந்த குரல் அவன் சிந்தனைய மறைத்து கவனத்தை இவ்விடம் திருப்பியது. அந்த இரவுநேரத்தில் மதிக்கதக்க இளைஞர் ஒருவர் கண்களில் கண்ணீர் தழும பேருந்து நிறுத்துமிடத்தில் இருந்து அழுது கெண்டிருந்தார். நான் அவன் அருகில் சென்று ஏன் அழுகிறாய் என்று கேட்டேன். அதற்கு அந்த இளைஞர் தன் விட்டைவிட்டு வெளியேறி விட்டேன் என்றான். ஒரு நிமிடம் நான் உரைந்தேன் பின் அவனிடம் ஏனென்று கேட்டேன் அதற்கு தன் தந்தை மதுபழக்கத்திற்கு அடிமையானவர் என்றும் தினமும் தன் தாய் மற்றும் தங்கையை துன்புறுத்திக்கிறார் என்றும், இதை கேட்ட என்னிடம் கடிந்துகொண்டார் என்றும் கூறி மீண்டும் அழத்தொடங்கினான் . நான் அவனிடம் என்னுடன் வா!..என்று அழைத்து கொண்டு சிறிது தூரம் நடந்தேன். பின் ஒரிடத்தில் இருவரும் சூக்கு காபி குடித்தோம். அதை விற்றதோ ஒரு முதியவர் நான் அவரிடம் கேட்டேன்."நீங்கள் ஏன் இந்த வயதில் கஷ்டப்படுகிறீர்கள் " என்று அதற்கு அவர் கூறினார் தன் மகன் மதுப்பழக்கத்திற்கு அடிமையானவன் அவனை நல்வழி படுத்த சிறிய அளவில் பணம் தேவை, நான் காலை நேரங்களில் மகனுடன் சேர்ந்து பணிக்கு செல்வேன்.பிறகு இரவு நேரங்களில் என் மனைவி தனது மகனுக்கு அன்பையும்,அரவணைப்பையும் தந்து அவனுக்கு ஏற்படும் மதுப்பழக்க எண்ணத்தை போக்க உதவுவாள்.இருப்பினும் அவனின் மருத்துவ செலவிற்கு இது அவசியம். எனவே, நான் இங்கு இதை செய்து வருகிறேன் என்று கூறிவிட்டு சென்றார். இப்போது நான் அவனிடம் கூறினேன் நீ செய்த தவறு உனக்கு பரிகிறதா? நீ உன் தாய், தங்கைக்கு அன்பையும் தைரியத்தையும் தர வேண்டும். மேலும் உன் தந்தையை நல்வழி படுத்த உன் அன்பையும் அரவணைப்பையும் அவருக்கு அளித்தால் போதும் ,கோபம் மதியை அழிக்கும். அன்பு அறிவை வளர்க்கும். உன் துன்பங்களை கண்டு பயப்படாமல், அதை எதிர்த்து நின்று உன் வாழ்வில் வெற்றி பெற வேண்டும் என்று கூறினேன். காலங்கள் ஓடின! ஒருநாள் மீண்டும் அவனை, அவன் தந்தையுடன் கண்டேன். இம்முறை அவன் கண்களில் என்னை கண்டவுடன் கண்ணீர் தழுமியது. ஆனால் இம்முறை அது மகிழ்ச்சியின் வெளிப்பாடாய் இருந்தது . அப்போது நான் அவனை பரிந்துகொண்டேன்.

அன்பு ஒருவரை மனிதராக்கும்,அறிவு ஒருவரை மாமனிதனாக்கும்.



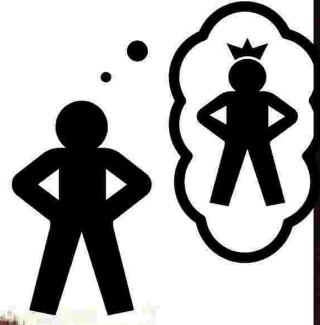
- சந்தோஷ்.ச

இரண்டாம் ஆண்டு





# மனம் வெல்லும்



எதைவியா தீநாக்ஶீ ஓடிக்கொண்டிருந்த என் கால்களுக்கு சற்று ஓய்வு கொடுத்துவிட்டு என் கைகளுக்கு எழுதுகோகளைக் கொடுத்து இச்சிறுகதையை எழுதுகிறேன்; எதை பற்றி எழுதலாம் என்று என்னை நானே கெள்விக்கேட்கேன்..! அதற்கு என் மனமோ உன் வாழ்வில் சந்தித்த சிலரைப் பற்றி எழுது என்றது.

என் வாழ்வில் சந்தித்த அந்த ஒருவனை பற்றியது நான் இச்சிறுகதை. அவனின் பள்ளி பருவம் என்பது, எத்துறையிலும் ஆர்வம் கொள்ளாமல் ஏதற்காக பள்ளி வருகிறோம் என்றுகூட தெரியாமல் அறியாமல் வெறும் புத்தகப் புழுவாக நன் கல்வி கற்கும் தீநாக்ஶீ அறியாமல் ஏதையும் புரிந்து படிக்காமல் மனப்பாடம் செய்து தேர்வில் எழுதும் சராசரி மாணவனாகவே அவனுடைய பள்ளிப்பருவம் அவனை கடக்கிறது. ஆனால் எனக்கும் சற்றும் ஆச்சரியம் அளித்தது அவனுடைய அரவியல் ஆர்வம். சரியாக சொல்ல வேண்டுமென்றால் அவனுடைய பதினைந்து வயதிலேயே அரவியலில் ஆர்வம் கொண்டு அரவியல் சார்ந்த செய்திகளை தேடித்தேடி படித்தான். ஒருநாள் நான் அவனிடத்தில் எதற்காக அரவியல் செய்தியை மட்டும் தேடித்தேடி படிக்கிறாய் எனக் கேட்டேன். அப்போது அவன் சிரித்துக்கொண்டே என்னிடத்தில், "யாருக்கு தெரியும்!? பின்பு ஒருநாள் நான் கூட நம் மாநிலத்தின் முதலமைச்சராக ஆகலாம்," அதனால் அரவியல் செய்திகள் மீது எனக்கு ஆர்வம் அதிகம் என்றான். ஒருவேளை சட்டமன்ற தேர்தலில் நின்றால் எனக்கு வாக்களிப்பாயா?! என்று நக்கலாக கேட்டான். நானும் சிரித்துக்கொண்டே கண்டிப்பாக வாக்களிப்பேன் என்றேன்.. பின்பு பொது தேர்வுகள் வந்தன, அவன் நன் படிப்பில் கவனம் செலுத்தி நல்ல மதிப்பெண்களை பெற்று அரசு கல்லூரியில் சேர்ந்தான். பின்பு எங்களுக்குள் உண்டான தொடர்பு சற்று முறிந்தது. சில மாதங்களுக்க பிறகு நான் அவனை சந்திக்க தீர்மானித்து அப்போது நான் அவனிடம் உரையாடினேன். அந்த தீர்மானத்தில் அவன் கூறியது எனக்கு வருத்தமாக இருந்தது. நான் எதற்கு இந்த பொறியியற் கல்லூரியை தேர்ந்தெடுத்தேன் என்றே தெரியவில்லை என அவன் என்னிடத்தில் புலம்பினான். அதான் கல்லூரி வந்துவிட்டோமே எதையாவது சாதித்துவிடலாம் என்று கனவு காண்கிறேன். ஆனால் ஏன் என்று தெரியவில்லை என்னால் எதையும் சாதிக்க முடியாமல் வெறும் கனவு மட்டுமே காணமுடிகிறது...

நான் அவனை உற்சாகப்படுத்தும் நோக்கில் உன் வெற்றிகையத் தடுப்பது எது என்று கேட்டான்? அவன் கூறியது அதற்கு காரணம் வேறு யாருயில்கலை என் மனம்தான் என்றான். அதற்கு நான் எவ்வாறு எனக்கேட்கேன். நான் எதையாவது இன்று புதிதாக தொடங்கலாம் என்று ஆரம்பித்தால் என் மனமோ இன்று வேண்டாம் நாகை ஆரம்பிக்கலாம், இன்று ஓய்வெடு என்ற மனம் தான் காரணம். வகுப்பறையில் என்னுடைய சக மாணவர்களுக்கு முன்பு பேசும் ஏறி பேசுவதற்கு கூட தயங்கும் என் மனம்... ஆனால் என் மனதையும் வென்று முதல்முறையாக வலையொளியில் (Podcast) பேசினேன். அதற்காக நான் எடுத்த முயற்சி யிகவும் பெரியது. ஆனால் ஏன் என்று தெரியவில்லை பின்பு அடுத்த வலையொளியில் என்னால் பேச முடியவில்லை. என் மனமோ உன்னால் மீண்டும் முடியாது என்று கூறுகிறது வெற்றிகைய காண ஏங்கும் மனம், ஆனால் வெற்றிக்கும் நமக்கும் தொகைதூரம் என்று கூறும் மனநீனால், வெற்றியின் பக்கம் முயற்சி செய்யாமல் தோல்வி தான் நமக்கு கிடைக்கும் என்று எண்ணியவன் தன் மனதிலுள்ள வெற்றி பெற முடியாது என்ற எண்ணத்தை வென்று 'மனதால் வெல்லவும் முடியும்' என்று இதோ தனது வெற்றிக்கான பயணத்தின் முதல் அடியாக இச்சிறுகதையின் ஆசிரியராகப் பயணிக்கிறேன்... ஆம்! இக்கதையில் குறிப்பிடப்பட்ட மனிதன் நான் தான்... என்னுடன் உரையாடியது என் மனம்...

" தோல்வியின் வாரிசாக பயணித்தவன்...  
துணிவுடன் வெற்றிகைய நோக்கிய பயணத்தில்!"

" இன்று மனதால் சோர்ந்தவன்;  
நாகை அதை மனதால் வெல்லலாம்  
என்ற எடுத்துக்காட்டுடன்..."



அளவற்ற அன்புடன்  
மீராபிள்ளை.சு.ஆ  
மூன்றாம் ஆண்டு



# RIDDLES

1

I am basically a shape, and I will be decorated for every event. What am I?



I was formerly known as Arthur hope college, and now as GCT. When was my name evolved?

2



3

I am GCT, and how many courses did I have during my establishment's inception?





4

I was the Governor of Madras in 1956, and I laid the cornerstone for the main block of our campus. Who am I?



"Y" is a two-digit number and a multiple of 9, which is the actual size of our campus. Find "Y"?

5



6

I am a block referred with the first principal of GCT. Who inaugurated me?



7

You can learn from me online, the last digit of my birth of year is factorial of 3. What is my year of birth?



8

I am a state-level technical symposium hosted by PEA GCT in September and October. What exactly am I?



9

A and B are two instruments that are mentioned in our college logo. What are A and B?

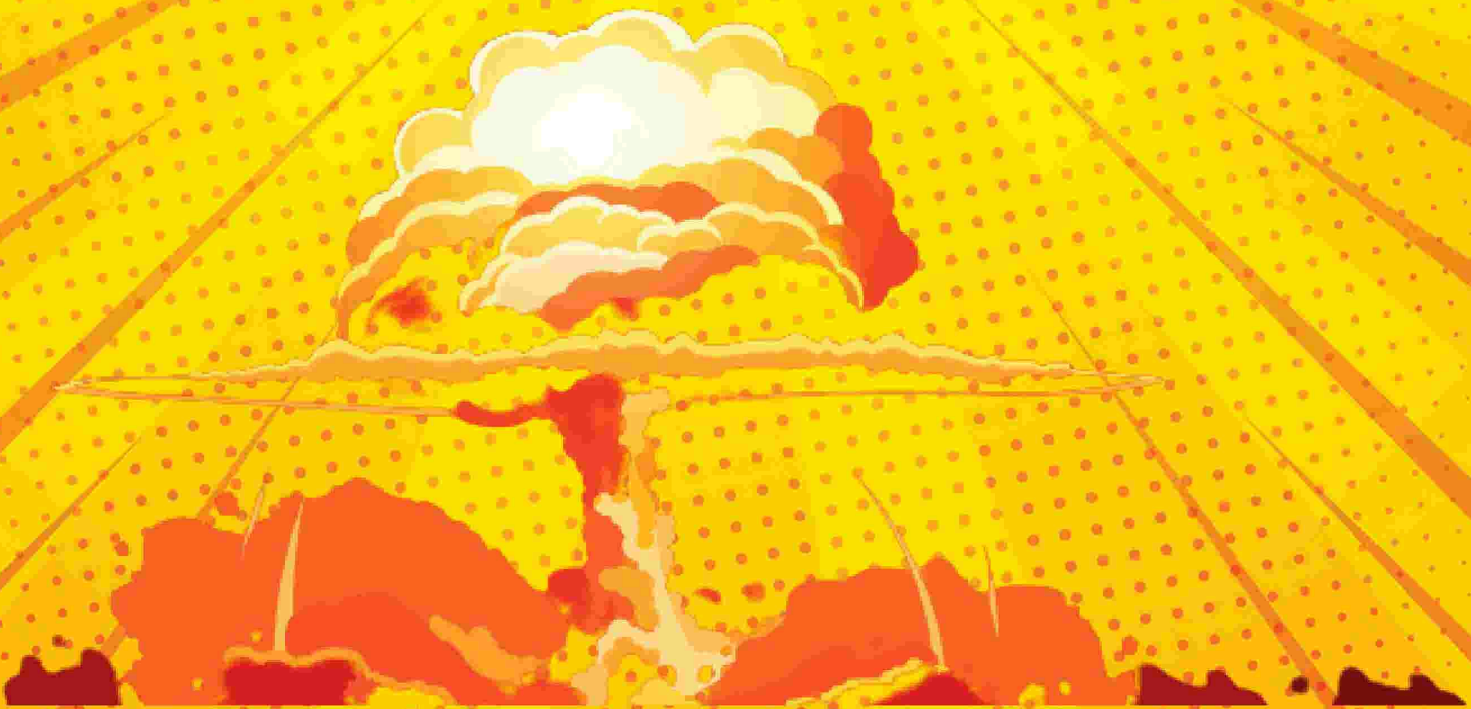


# COMICS

#1



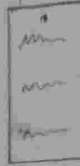
THE MOST BEAUTIFUL THING



ONCE THERE WAS A NEED, WHO WAS CALLED AS A NERD.  
HE WAS ALWAYS ALONE AND MOST OF THEM HATED HIM  
HIS NAME IS EDWARD



IN THE LOCKER AREA...



HMM WHAT IS THIS

IN THE PAPER...

WHO ARE YOU  
TAKING TO PROM  
♥  
Come to the  
biggest event  
of the year

A GIRL PASSED BY...  
AND HE WANTED TO SPEAK TO HER

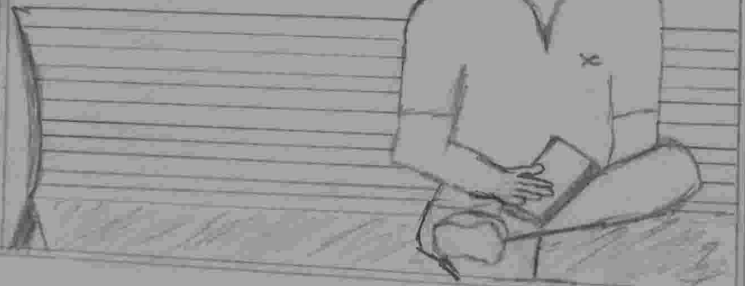


HELLO.....



SHE LEAVES WITHOUT  
REPLYING.....

THE NEXT DAY HE WAS SITTING  
ALONE IN THE BENCH...



THE NEXT DAY IN THE BUS STAND...  
EDWARD SEES THE SAME GIRL AGAIN...



HELLO...



SHE IGNORES AGAIN...

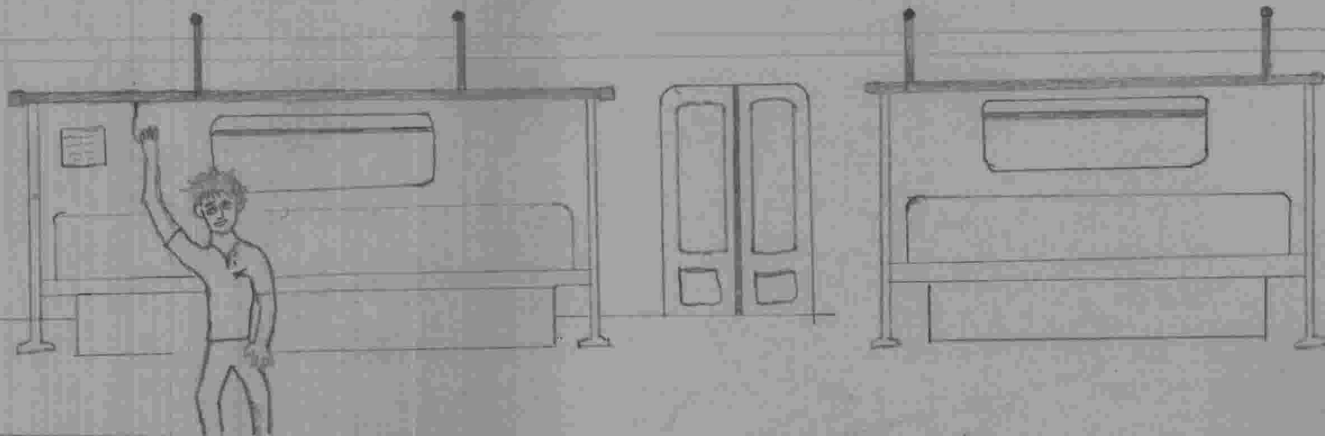
SHE SMILES LOOKING AT HIM



SHE TAKES A NOTE AND WRITES SOMETHING AND SHOWS HIM....



SHE WRITES HER NAME....



NEXT DAY...



THEY SPENT TIME TOGETHER...

SOME DAYS LATER...



REHERSING TO ASK THE GIRL...

IN CLASSROOM...



WHY DONT YOU TRY SPEAKING



SHE WRITES IN A NOTE...

PEOPLE LAUGH..



HE WRITES IN THE PAPER...

PEOPLE LAUGH



I WOULD NEVER

SHE SOUNDS BAD...

HE DECIDES AND GOES TO ASK HER TO THE PROM...



HE SEES HER HUGGING SOMEONE....

THE BOUQUET DROPS...



HE STARTS CRYING...



AFTER SOMETIME THEY BOTH MEET...

WHILE HE TRIES TO IGNORE AND LEAVE SHE SPEAKS WITH HER UGLY VOICE...

SS... SS... STDP...

HE HIT ON ME... SO I HIT HIM



HE SPEAKS THROUGH SIGN...



P



R



O



M

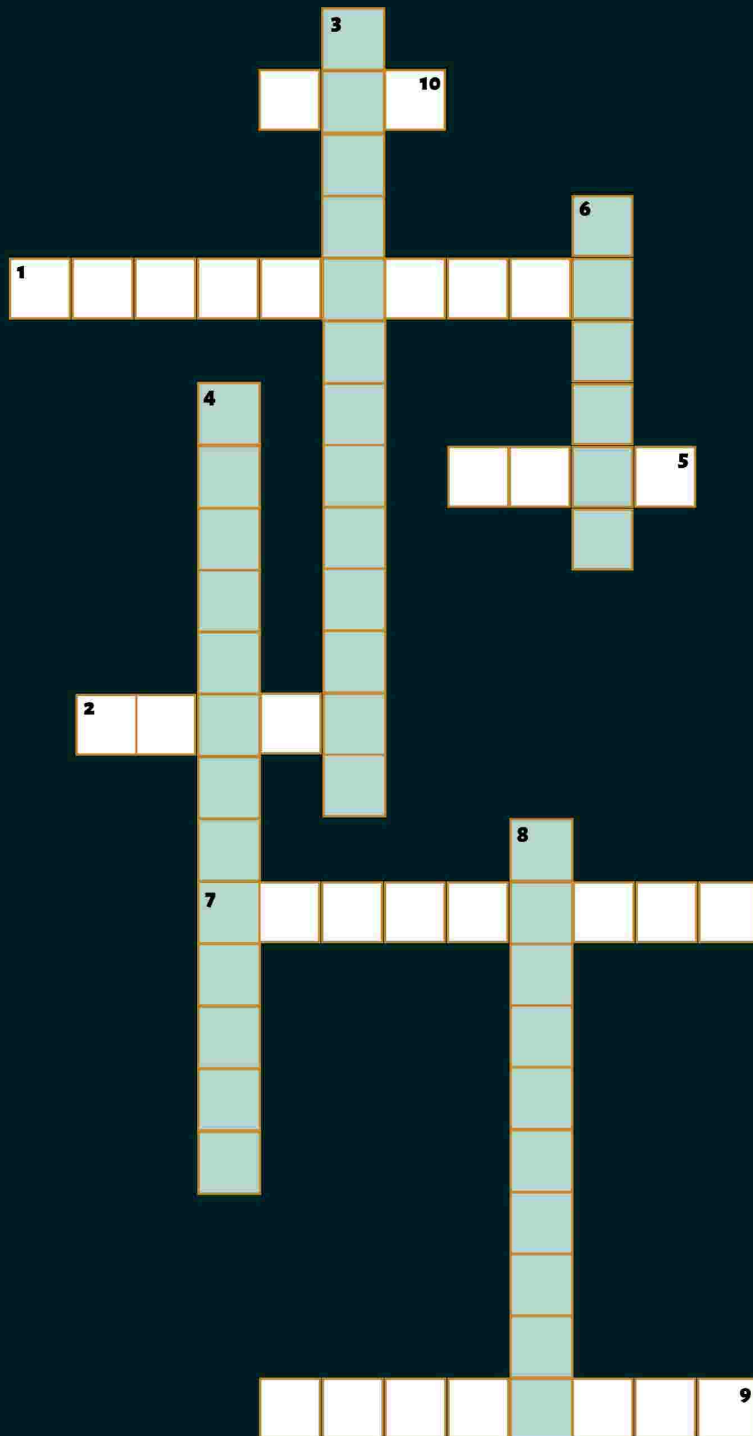
Then she runs towards him and hugs him...

The best and most beautiful things in the world cannot be seen or even touched - they must be felt with the heart

-HELLEN KELLER



# PUZZLE





## ACROSS :

- 1) The common word in both the mission and vision statement of our production department
- 2) First principal of GCT
- 5) How many cross lines are there in GCT logo
- 7) The statue of our college logo which is in just in front of the main building facing the direction of
- 9) The new oval was opened in the month of
- 10) The laboratory which uses the computer based software to aid in design process in production department

## DOWN :

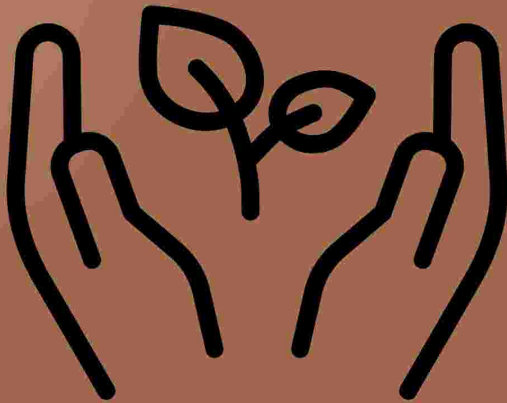
- 3) Main building of GCT was opened by
- 4) One of the notable alumni who got Padma Shri and Padma Bhushan awardee
- 6) Name the turbine wheel which is located in front of GCT main building
- 8) How many principal photos are there in the gct main building



# DO YOU KNOW?



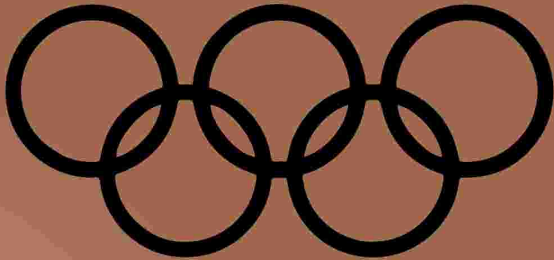
The dancing crew of GCT named Eliminators have great records at IIT's/ IIM fests which once extended their selection to International dance fest happened at Australia!!.



GCT has been Awarded Green Campus of the year 2013 by puducherry government for having more number of trees than its student strength .Interesting right !!!

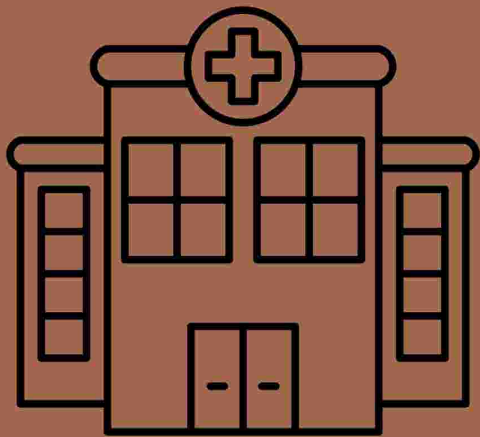
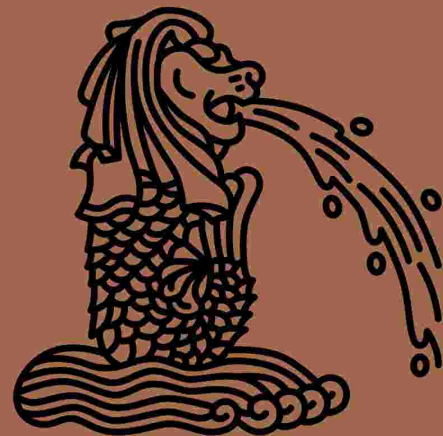
Petrol and chemical engineering are in high demand which gives the highest pay around the globe and in India.





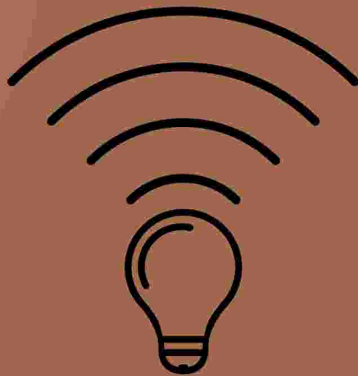
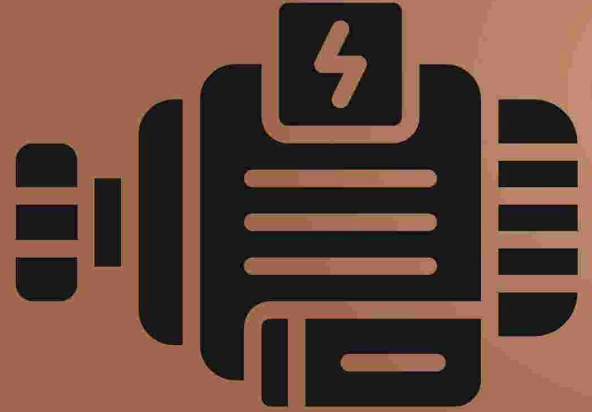
Greek gymnast Dimitrios Loundras who secured third place at the age of 10 in 1896 OLYMPIC games is the youngest olympian of all times

In order to keep up the city's reputation for being spotlessly clean, Singapore banned chewing gum in 1992



The Chinese city of Wuhan build a hospital in six days to treat the patients suspected of contracting corona virus.

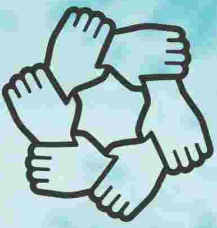
G. D. Naidu, an Indian inventor and engineer, referred as "The Wealth Creator of Coimbatore" has been credited with the manufacture of the first electric motor in India



Li-Fi is hundred times faster than Wi-Fi. It uses light instead of Radio frequencies.

A.Lalitha is the first female Electric Engineer in India. She was also the first female student of CEG(College of Engineering), Chennai.





# ABCD of Life



## Ambition

Ambition is a strong desire to achieve whatever goals you set for yourself.



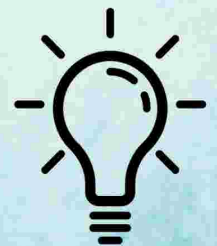
## Believe

Believe in yourself! Have faith in your abilities! If you believe in yourself anything is possible.



## Creativity

Creativity is just connecting things. The creative act, the defeat of habit by originality, overcomes everything."



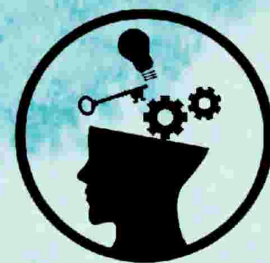
## Dedication

Dedication is expensive. It will cost you your life. Dedication sees dreams come true. Determination is nothing without dedication



## Experience

A new experience can be extremely pleasurable.  
We learn from reflecting on experience.



## Fearless

Becoming fearless isn't the point. That's impossible. Once you become fearless, life becomes limitless

## Genuine

The true secret of happiness lies in taking a genuine interest in all the details of daily life. Genuine journalism is expensive.



## Hard work

A dream doesn't become reality through magic; it takes determination and hard work. Hard work will always earn you success.

## Inner peace

Never be in a hurry; do everything quietly and in a calm spirit. Do not lose your inner peace for anything.



## Journey

The journey of a thousand miles begins with one step. Sometimes it's the journey that teaches you a lot about your destination.



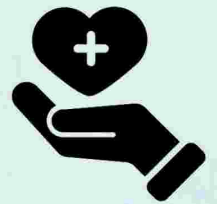
## Kindness



Kindness begins with the understanding that we all struggle. Sometimes it takes only one act of kindness and caring to change a person's life.

## Love

Love is never wasted. They always make a difference. They bless the one who receives them, and also the giver. Love is energy of life.



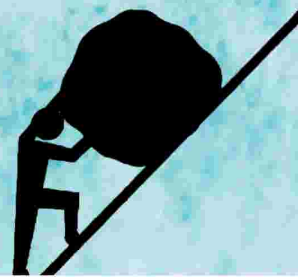
## Move on



Every day is a new day and you'll never be able to find happiness if you don't move on .

## Never give up

Today is hard, tomorrow will be worse, but the day after tomorrow will be sunshine. But Never give up on your dreams.



## Opportunities

Opportunities are like sunrises. If you wait too long, you miss them. Don't wait for the right opportunity, create it.



## Positive thinking

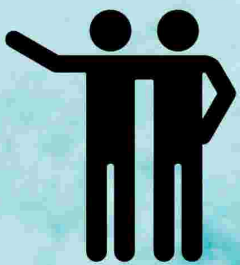
When you feel positive thoughts, your life will start to change. Your life is as good as your mindset.

## Quality of life

Control of consciousness determines the quality of life. The quality of life is more important than life itself.



## Respect



Respect yourself and others will respect you. Respecting someone indicates the quality of your personality.

## Selfless

Happiness doesn't come through selfishness but through selflessness. Everything you do comes back around.





## Tough

Life is tough, and things don't always work out well, but we should be brave and go on with our lives.



## Unity



Unity is a power that lies within ourselves. One has to admit that being united helps in many ways and sometimes can do wonders.

## Value others

The most successful people create and give value to others constantly. Give more than you ask in return.



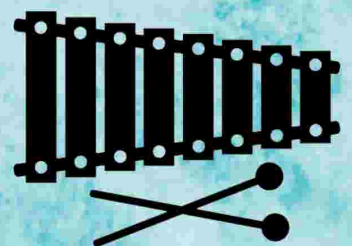
## Winsome

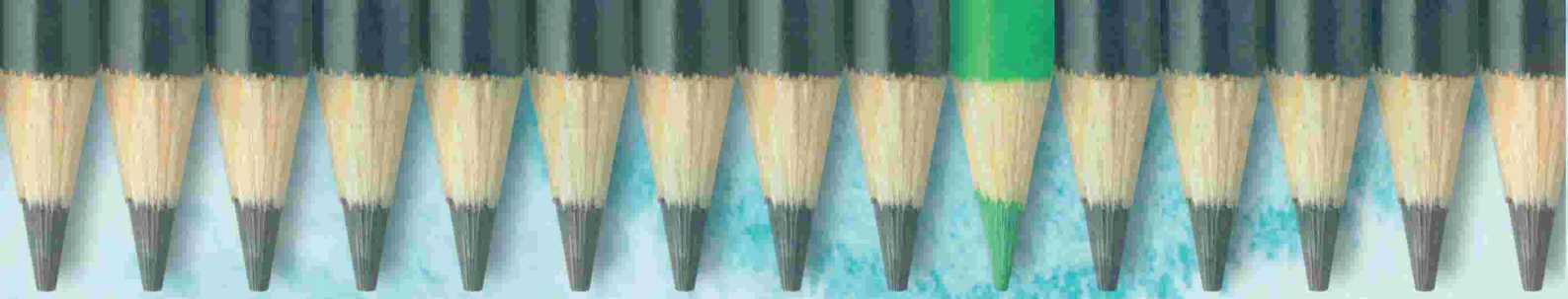


Be attractive and winsome, but do not compromise your convictions for the sake of popularity.

## Xylophone

You should never do two things. You should hammer one nail all your life, and I didn't do that; I hammered on a lot of nails like a Xylophone





## You

Start where you are . Use what you have. Do what you can. Because no one can understand your potential better than yourself.



## Zeal

Develop a lifestyle that makes you love your life and inculcates a zeal to go after your goals.

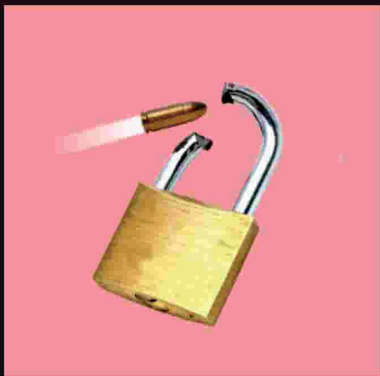


# BUSTING THE MYTH

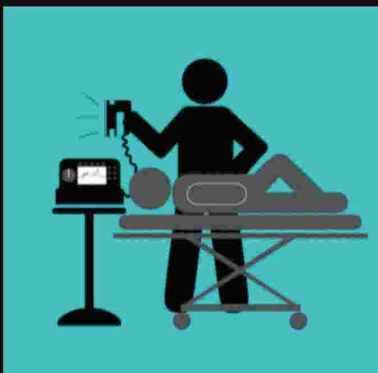
## MYTH



**The blue whale can swallow a whole car**



**A single shot is enough to break through a lock**



**A Defibrillator shock can restart the heart**

## REALITY



**The grapefruit is biggest thing this whale can swallow**



**A padlock shackle is made of iron and will not break with a single shot**



**Once a heart has stopped beating, A Defibrillator can't restart it.**

**MYTH**



**You should always keep your house completely clean**



**The pin of a grenade can be dramatically pulled out with one's teeth**



**Chloroform immediately knocks out a person on for several hours**



**REALITY**



**Total cleanliness increase the chances of developing allergies**



**The person would have no teeth afterwards , and the grenade**

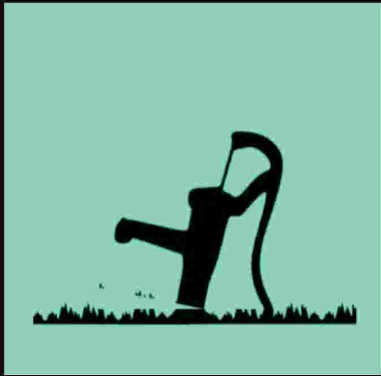


**It takes up to 5 Minutes for someone to feel the effects, which then last for a short while**

**MYTH**



**Silencers make every gun completely quiet**



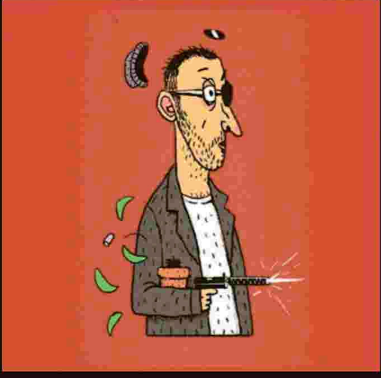
**Sunny deol can pull out a handpump and use it as a weapon**



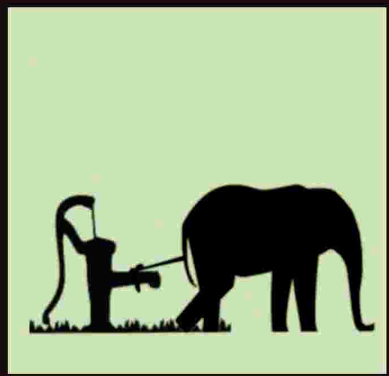
**There's more caffeine in coffee than in tea**



**REALITY**



**A silencer only dampens the noise, but the gunshot is still audible**

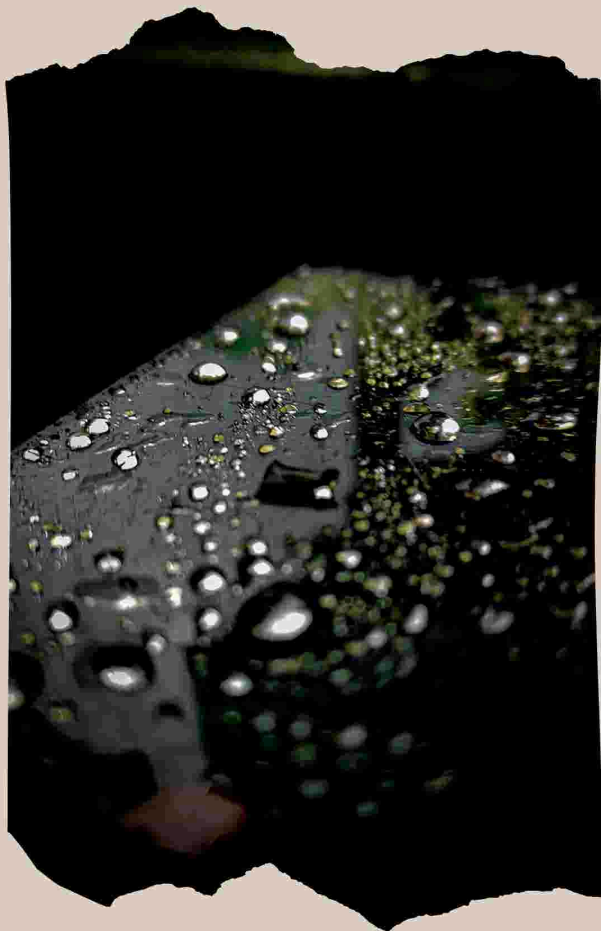


**Even an Elephant can't pull out a hand pump**



**A well-brewed cup of tea may contain more caffeine**

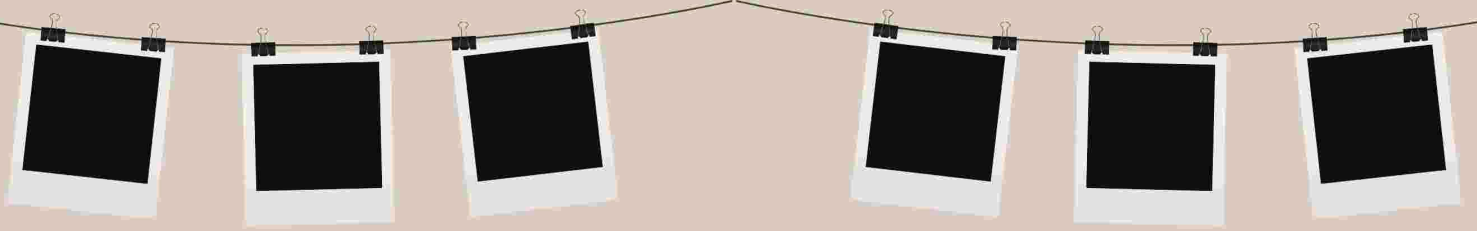
S N A P I T



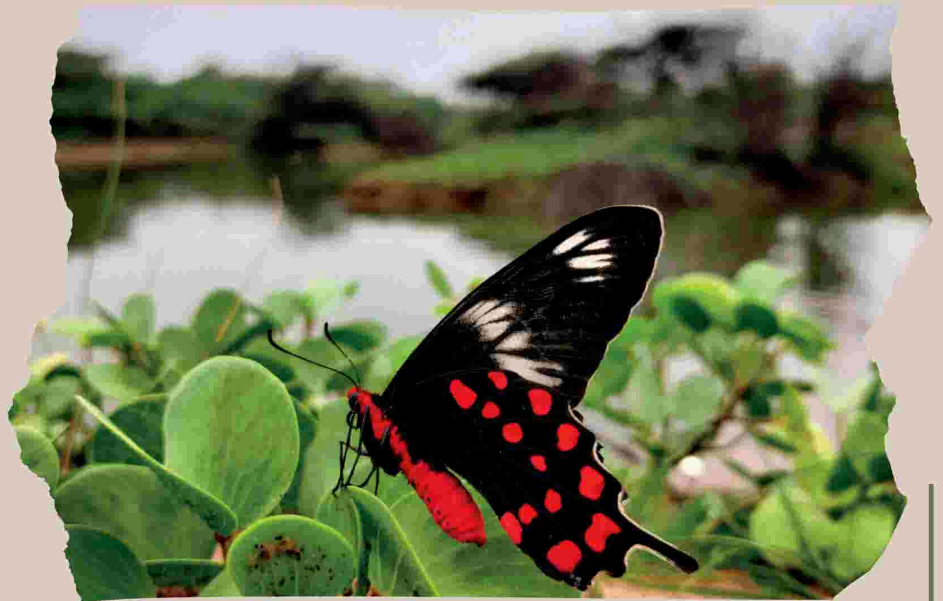
**NIVAESH**  
*-11 Year*



**CHERRY  
SHIVA**  
*-11 Year*



**BASKARAN**  
*-11 Year*



**HARISH**  
*-111 Year*



# PENCIL ART



**NITHESH**

(III Yr)



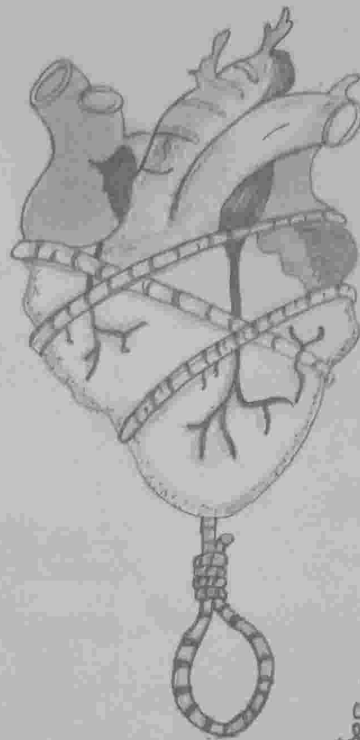
**AISHWARYA  
ARUL ABIRAMI**

(II Yr)





**ROJIN  
RAJENDRAN**  
(II Yr)

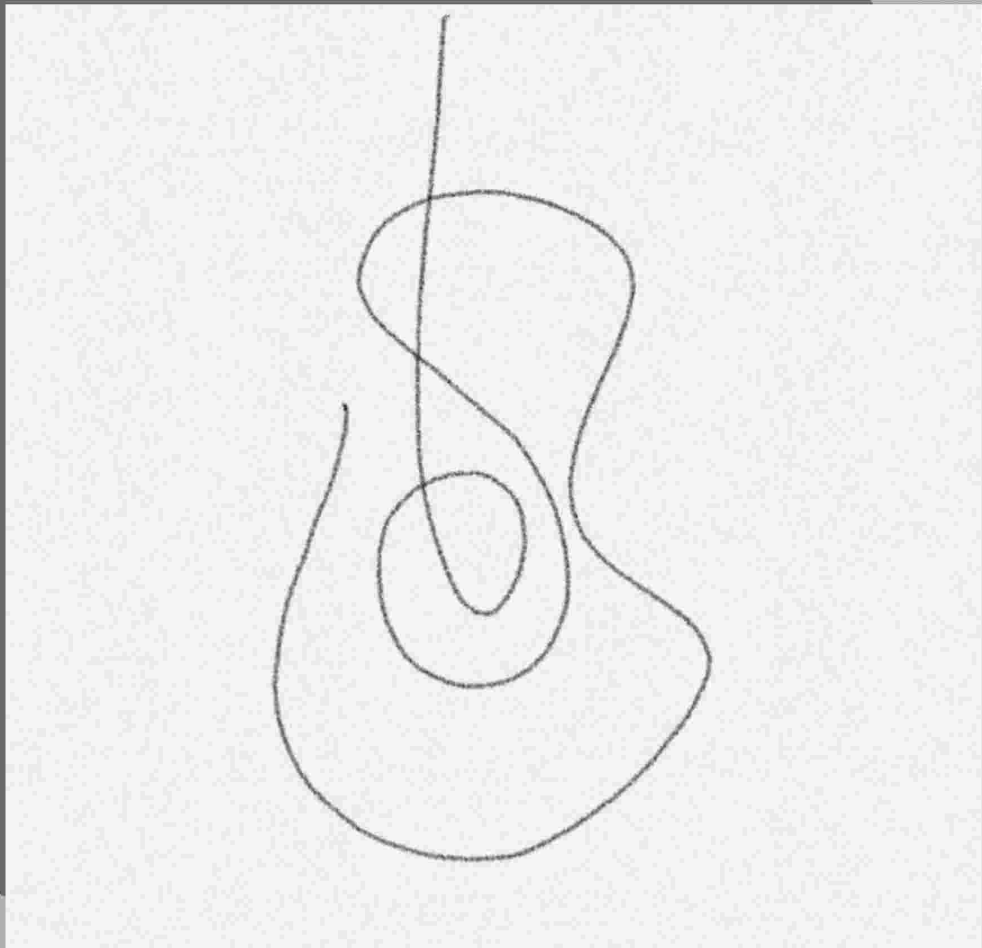


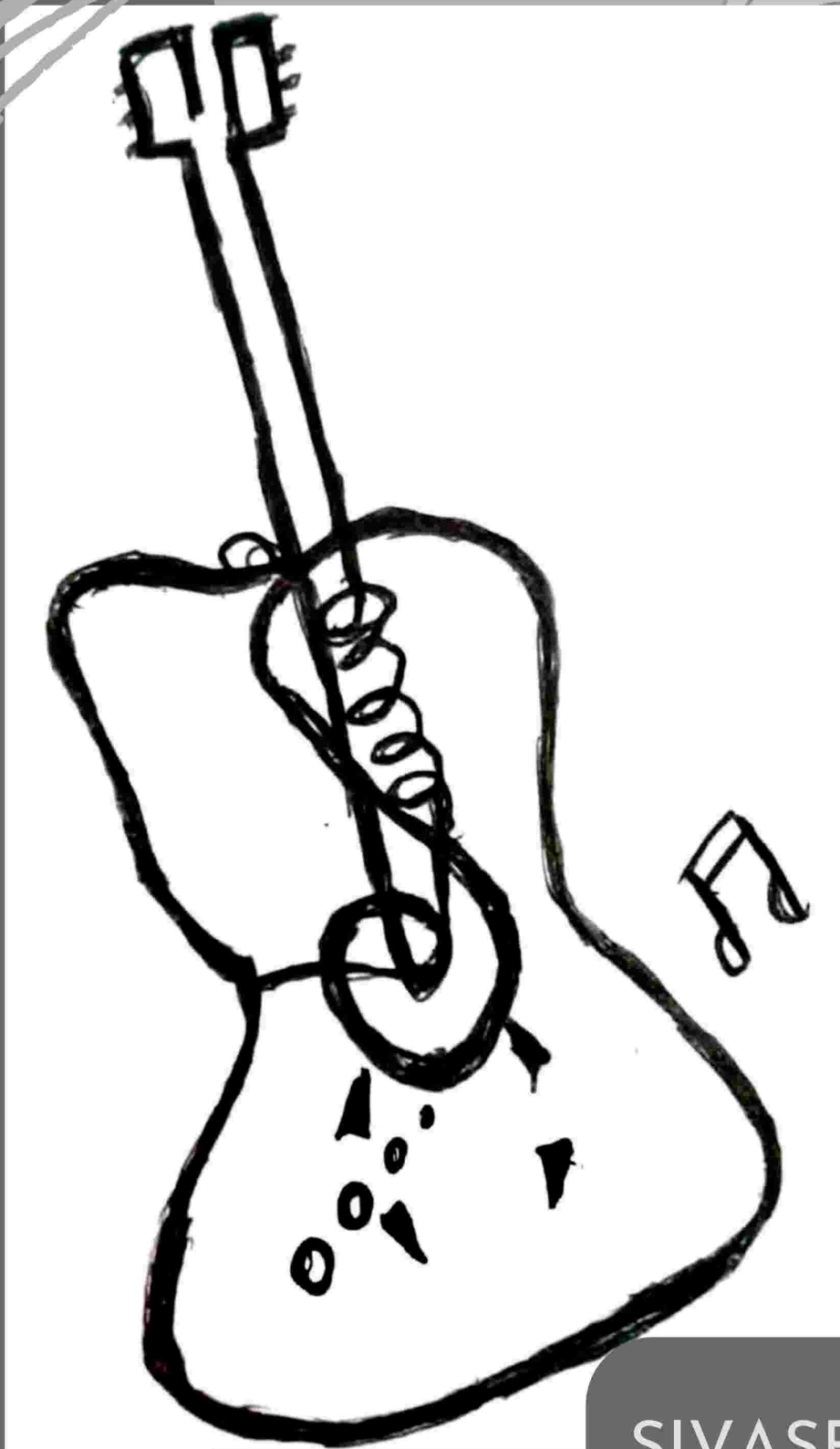
**KARTHIKA**  
(III Yr)

# SCRIBBLE ART



Trace the scribble given below onto the paper. Try transforming the scribble into a reasonable illustration.

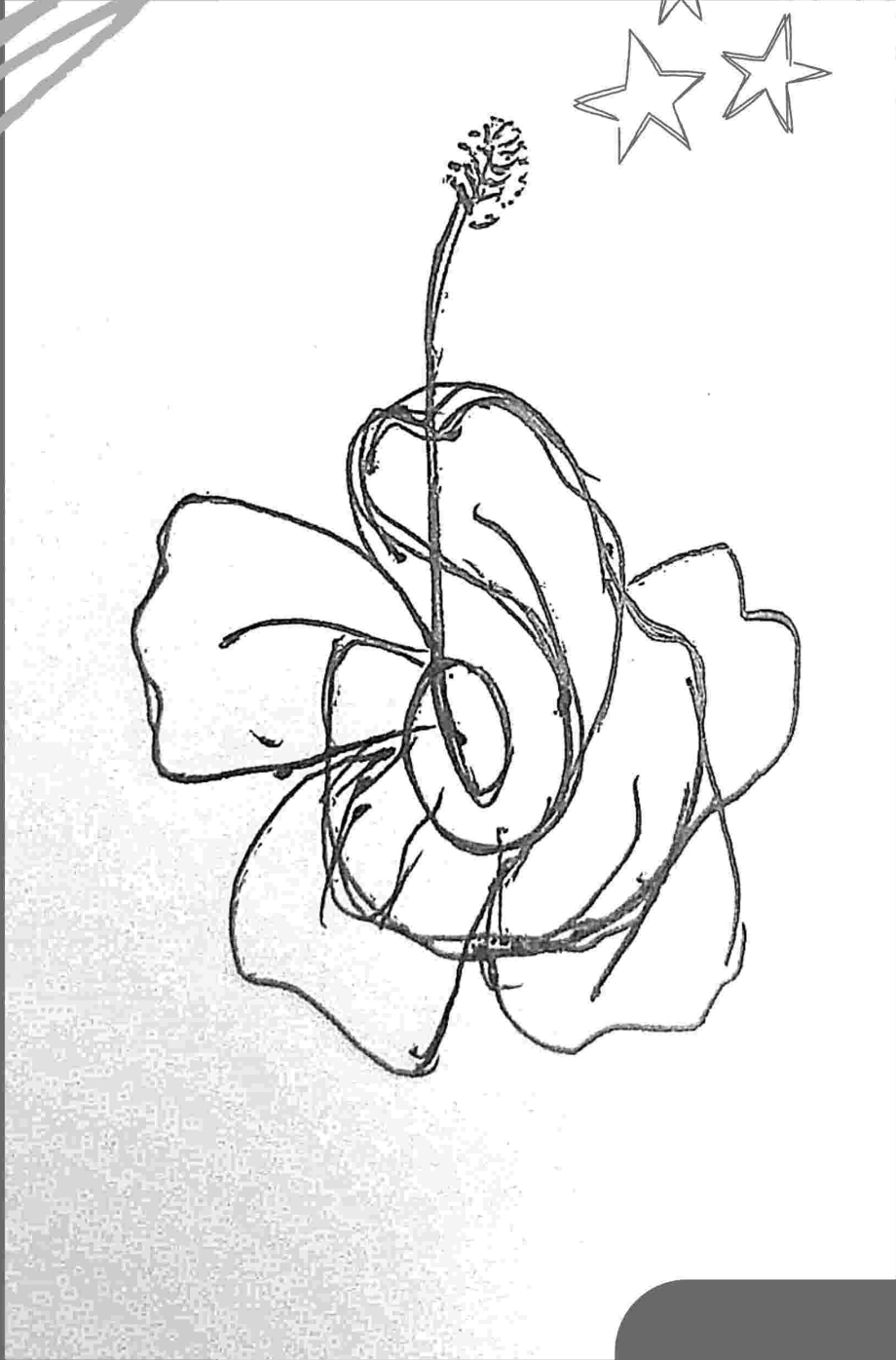




SIVASELVAN  
SECOND YEAR



THEJASI  
DHANESH  
SECOND YEAR



VISALATCHI M  
THIRD YEAR

# EDUCATIONAL PLATORMS

**TCS iON**

TCS iON Digital  
Learning Hub - Soft  
Skills & Interview  
Etiquettes

Communication Skills  
Interview Preparations  
Business Etiquettes

**CareerDeed  
Training -  
Aptitude**

Mathematical Aptitude  
Verbal Ability  
Logical Reasoning  
Previous Year Questions

We are very ecstatic to share the best educational platforms that we come across upto date. These platforms offer skills-based courses taught by the real-world experts. The suggestions of these courses are purely based on the user experiences of the students those who had studied in the respective platforms. So here's some of the educational platform lists along with the courses

Digital Marketing  
Data Skills  
Career Development



**Google Digital  
Garage - Digital  
World Skills**



**Jenny's lectures CS/IT  
NET&JRF -  
Programming  
in C**

Introduction to C  
Programming  
Data Structures  
Loops, Arrays



**THE EXCEL  
BOOTCAMP**

Excel formulas  
Data Visualization  
Pivot Tables  
Modelling in Excel,  
Macros, VBA

**PYTHON**

Introduction to Python  
Oops Creating games in  
Python

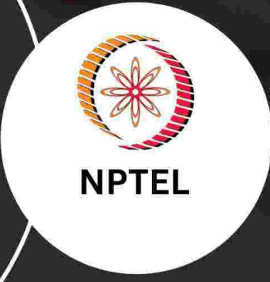
**MACHINE  
LEARNING &  
DATA  
SCIENCE**

Data Analysis  
Machine Learning  
(Artificial Intelligence)  
Python with Tenserflow,  
Pandas, Numpy,  
Matplotlib

Basic SQL syntax  
To perform Data  
Analysis  
Replicate real world  
situations and query  
report

**COMPLETE SQL  
BOOTCAMP**

Engineering application  
problems  
A deep understanding about  
our core. The preparation  
tips and techniques for  
competitive examinations



# THE ARDUOUS GOAL

Have you ever had a plan of what will be the steps if you think working in abroad fulfills your future goals?. Do you have a spirit of studying in abroad and to live a deserving life?. Do you have a parents who can't afford much for your studies? Then welcome to my journal

"THE ARDOUS GOAL".

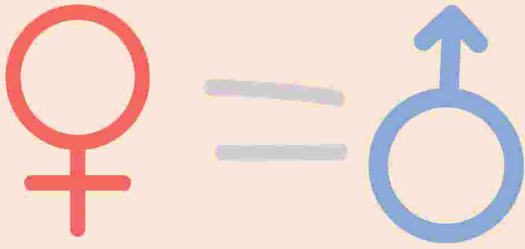
Studying in our dream country looks like an unreal one for many. I had a dream to study in Europe right from my diploma days and I carried with me till my final year in GCT. In GCT we have a affordable tuition fee, which we definitely don't spend in lakhs, instead we can use this precious chance to save money and study in abroad. And in GCT you can highly utilize your time for learning a new language. If you plan to study in Germany like in my case, then go to the language coaching center near and be fluent in the language you learn. Language is more important because countries like Japan, China, and in many other Eastern countries everyone are not much fluent with English and they expect their own country's language in you. And it will be very much easier for getting jobs once you complete your Masters there. And if you have a parents who have the thought of making you study in abroad but can't afford much for it, then public universities in country like Germany provide free education even for International students and there are more scholarships available for the cost of stay over there.

The real arduous begins once you land in a new country. You will be competing with the students from all over the world. So build self confidence right from now to achieve your dream. And other important thing is, never ever consult any consultancies who say they send students to abroad. I'm not trying to say they are not legit, they will convince you to study in some other private universities which will not be a reputed one and they recommend only the universities which they have tied up with and the tuition fee will also be high. The countries like Germany have separate website for them for guiding their international students ([uni-assist.de](http://uni-assist.de), [daad.de](http://daad.de)) where you can apply for tuition free universities and find a lot about scholarships. And in this drive link you get A-Z of everything you need to study in Germany

Do research by yourself and chase your dream.  
All the best..!







# THIS IS *Feminism*

# ARTICLE WRITING



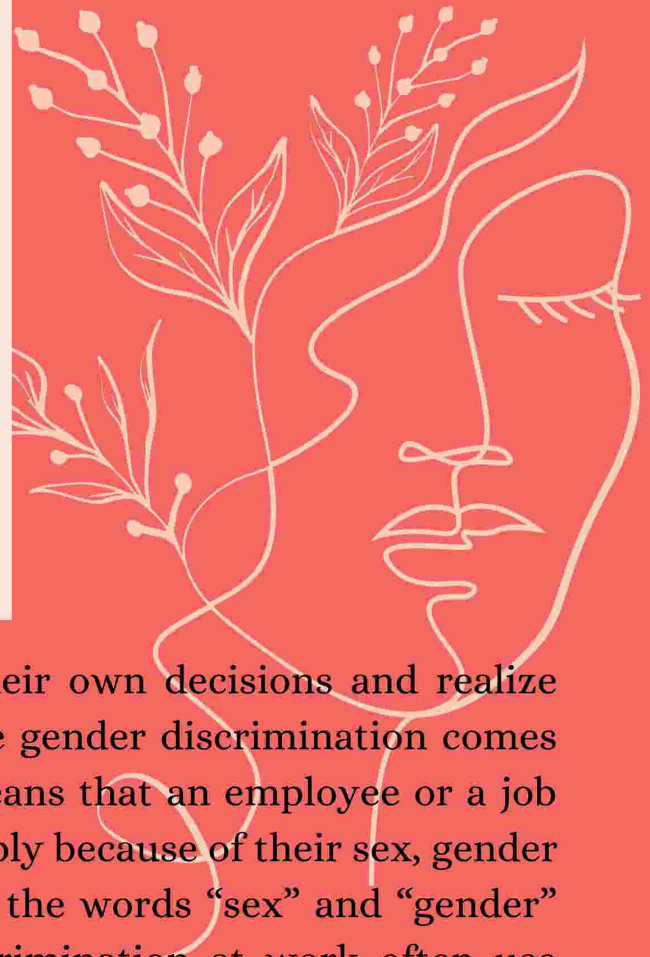
This article examines the challenges related to women on educational opportunities, protection against workplace discrimination, right to make personal decision, harassment, and equality.

*W*omen play a key role in building a nation, and every country is being known for the power of women's empowerment. It is an essential element for any nation. Promoting education among women helps them understand their individuality to refrain from any exploitation. India has seen women achievers in each field due to encouraging women's education in the nation; it helped them improve their knowledge, which made them stronger and confident. This article provides a core analysis of women education in India.

Education is the basic right for everyone and when we say everyone, we should not forget that women are also a part of this lot. Society has a large population of women and we cannot have such a large population as illiterate, it will be our huge loss. All the girls and women whether they are rich, poor, young, old, married, unmarried, widow or with any social status have their basic right of education. Education is not a privilege but a fundamental right. It brings equality in the Society. It Makes them Empower, Independent, and helps Build Self-confidence. Education is very important for everyone and it helps to develop skills to make an individual capable of offering services to others and earning a livelihood. If a woman is educated and is capable of earning and bearing her own expenses, she does not need to be dependent on others or family for her own requirements.



# **“ WOMEN DO NOT WISH TO HAVE POWER OVER MEN; BUT OVER THEMSELVES**

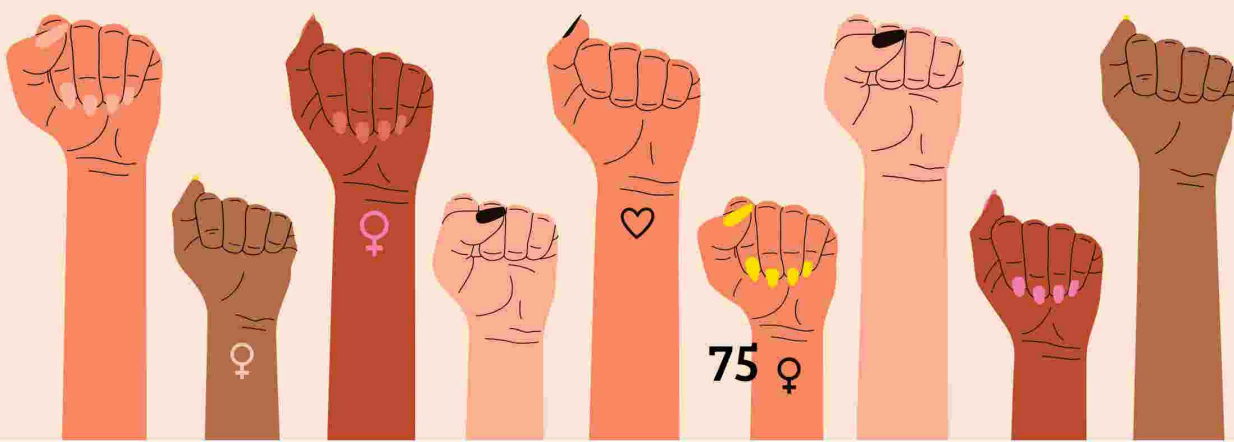


This brings confidence in them to make their own decisions and realize their own worth and uniqueness. Workplace gender discrimination comes in many different forms, but generally it means that an employee or a job applicant is treated differently or less favorably because of their sex, gender identity, or sexual orientation. Even though the words “sex” and “gender” have different meanings, laws against discrimination at work often use them interchangeably. Sometimes workers experience discrimination because of their gender and something else, like their race or ethnicity. For example, a woman of color may experience discrimination in the workplace differently from a white female co-worker. She may be harassed, paid less, evaluated more harshly, or passed over for promotion because of the combination of her gender and her race. She decides on her health, her future. Women must be able to decide about their health and the things that influence it, including their sexual and reproductive health and environment – not least because it can lead to other life-changing decisions. this is about more than sexual and reproductive health and rights. It is about women's and girls' ability to make decisions about their own bodies and their environment so they can improve their health, their futures and their lives. The right to make decisions about one’s body should be guaranteed to all individuals. It is the right of every woman and girl to exercise her reproductive and sexual rights. Thus, women should have access to health care, including contraception and safe abortions, and be able to decide whether, when, and with whom they intend to marry and whether to have children.

The right to live free from gender-based violence, such as rape and other forms of sexual violence, female genital mutilation, forced marriage, forced pregnancy, or forced sterilization, should be guaranteed to all women. There is still a lot of work to be done before all women have equal access to these rights, as not all countries grant these rights to women. Sexual harassment was first recognized in cases in which women lost their jobs because they rejected sexual overtures from their employer. Hostile work or educational environments can be created by behaviors such as addressing women in crude or objectifying terms, posting pornographic images in the office, and by making demeaning or derogatory statements about women, such as telling anti-female jokes. Hostile environment harassment also encompasses unwanted sexual overtures such as exposing one's genitals, stroking and kissing someone, and pressuring a person for dates even if no quid pro quo is involved. Gender inequalities are still deep-rooted in every society. Women suffer from lack of access to decent work and face occupational segregation and gender wage gaps. In many situations, they are denied access to basic education and health care and are victims of violence and discrimination. They are under-represented in political and economic decision-making processes. Guaranteeing the rights of women and giving them opportunities to reach their full potential is critical not only for attaining gender equality, but also for meeting a wide range of international development goals. Empowered women and girls contribute to the health and productivity of their families, communities, and countries, creating a ripple effect that benefits everyone.

**GAYATHIRI .S & MONISHA.S**

**THIRD YEAR**



# SAY NO TO DRUGS



**T**he foundation for drug-free world is a nonprofit public benefit corporation that empowers **YOUTH** and adults about drugs. There is a lot of talk about drugs in the world on the streets, college, internet. "SOONER OR LATER IF IT Hasn't already happened you or someone close to you will be offered DRUGS"

Any addict will tell you they never expected a drug to take control of their life or maybe that they started with "JUST POT" and that it was "JUST SOMETHING TO DO". Drug free world narrative is perhaps most famously etched into drug policy history in 1998. In the intervening years, the use availability and variety of illicit drugs have escalated exponentially.

"DRUG ABUSE DEMANDS A GLOBAL" Use of illegal drugs causes health epidemics, mass incarceration, death penalty and executions. Addressing drug challenges in health and humanitarian crises.

In TAMILNADU, government have inaugurated a new wing of enforcement wing to attain target of  
**"DRUG FREE TAMILNADU"**

## HOW TO SAY NO.....

- Be clear of your vision .This is what you want to say yes to... EVERYTHING else = NO.
- Know the implications of saying YES.. Realize saying no is okay
- Use the medium you are most comfortable
- Keep it simple
- Be respectful
- Provide an alternative
- Write everything down first
- Make yourself less accessible
- Sometimes, NO reply is also a form of reply

**DRUGS ARE CRUEL ENGINE OF MANY AN  
ARTIST CREATIVITY**

PAVITHRA V  
THIRD YEAR

# M E N T A L H E A L T H

**In this Article we are going to see about what is mental health ? what are the consequences of mental health ? What is our research about it**

**M**ental health is more important because it is one of the coordinating factors of human body. We can't do anything if we are not in good condition, it doesn't only mean the physical health but also the mental.

Human brain is so complex that we can't understand it so clearly. Nowadays many youngsters are not mentally strong. There are many reasons to add on. But major one is stress and it is caused by mostly the technology. As day advances the technology also advancing. We have many gadgets to do our chores and make our work simple. But are we using it in a proper way? No, we are misusing it other than its original cause of use. Mostly the youngsters are so addicted to the mobile phone in which we have social media's, games, so on. They are on to it for more than 3 hours. Which is more harmful to brain as per scientists it is said that due to the radiation of our phone our neurons in brain are dying. It may cause many health problems like insomnia, headaches, tiredness, etc. Relax the mind by doing meditation and yoga.



we can concentrate in many things. It is really very powerful that constant thought of certain things may come true. What are the thoughts we have daily? Have anyone wondered no we haven't even considered about our thoughts. But they are root cause of your future. Your future is dependent to your thoughts. You may find it silly, but it is true. Our inner desire or the moment pleasures we crave for is formed as thoughts in one's mind. That is the reason why our elders will keep on pulling us to thing positive always. Do we need to organize our thoughts? Yes, definitely is the answer from me. Because only by organizing you can have a better understanding of yourself.

What does the research say about the mental health based on gender?

- According to research, socially constructed differences in roles and responsibilities, status, and power between men and women contribute to differences in mental health, health-seeking behaviour of those affected, and responses of the health sector and society as a whole. When analysing the conducted research, it is vital to keep in mind that there are significant gaps. Male-female differences in some mental health problems, such as depression and schizophrenia, are better understood than other scenarios.

Adult men and women are better understood than adolescents and children, and the situation in industrialized countries is better understood than the situation in developing countries. Although there are no variations in the overall incidence of psychopathology between men and women, men and women have different symptoms. Internalizing disorders are more common in women while externalizing disorders are more common in men.

**K LAVANYA & D THEJASI**  
SECOND YEAR





# AWAKENING THE **G**AINT

## WITHIN

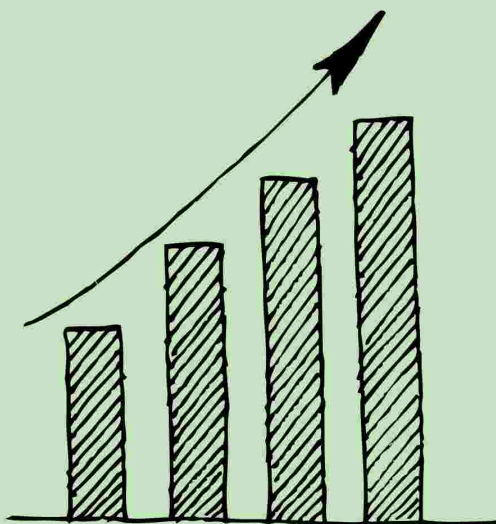
**GROWTH  
BEGINS  
WHEN WE  
BEGIN  
to accept  
OUR OWN  
weakness**

Here's a paradox with self-improvement and it is this: the ultimate goal of all self-improvement is to reach the point where you no longer feel the need to improve yourself.

The ultimate goal of self-improvement can be paradoxically self-defeating. This is what healthy self-improvement looks like. Think about it: The whole goal of improving your productivity is to reach the point where you never have to think about how to be more productive. The whole point of pursuing happiness is to reach the point where one no longer has to think about being happy. Self-improvement is therefore, in a weird way, ultimately self-defeating.

Successful personal growth requires motivation, the desire to improve, and the willingness to strive to make changes. You also need to be willing to get out of your comfort zone, and sometimes, do things that are uncomfortable, but are for your own good. An open mind and the desire to learn and grow are also important.

Personal growth is an ongoing process that starts from an early age, but mostly shaped by parents, teachers, and the environment. Sometimes, problems and difficulties are the triggers that awaken the desire to grow, and lead to making changes in one's life.





At other times, people are inspired to take steps toward personal growth after reading an inspiring book, watching a movie or reading about people who achieved success. This often leads people to new paths, to making changes in their lives, expanding their knowledge and self-awareness, improving skills, and developing new ones.

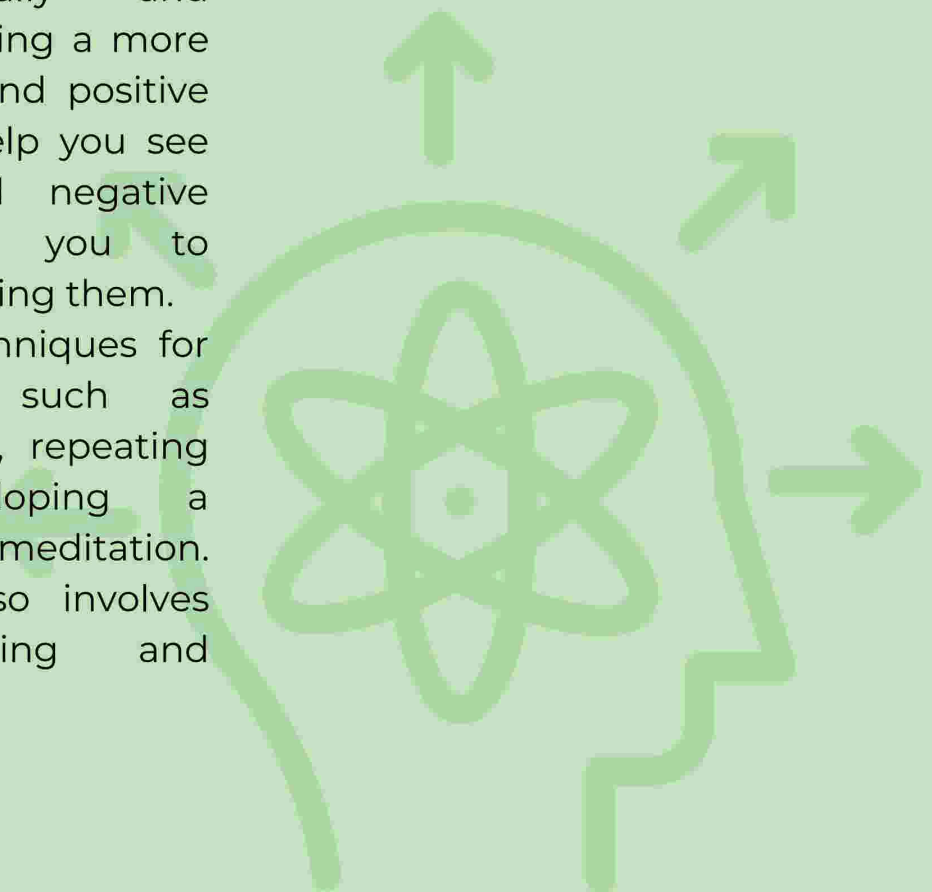
Personal growth can help you in all areas of your life. It can help you at work. It can change your attitude toward work, and therefore, open new opportunities for advancement.

Personal growth can help in growing emotionally and mentally and becoming a more considerate, loving and positive person. It can also help you see your mistakes and negative habits, and lead you to correcting and changing them.

There are many techniques for personal growth, such as creative visualization, repeating affirmations, developing a positive mindset and meditation. Personal growth also involves counseling, coaching and reading.

A very simple and useful method for personal growth is to look at your behavior and your life with an open and unbiased mind. This will show you what changes you need to make in yourself and in your life. Looking at how people behave and act can also help you. In this way, you can recognize positive and negative traits of character and become aware, whether you possess or lack them, and in this way, learn what you need to improve in you.

**SALONI T  
THIRD YEAR**





# CONNECTED WORLD

Connected World is all about connecting people, devices, and systems to the Internet and exchanging and interacting with data across a host of industries such as healthcare, manufacturing, transportation, energy. What do you think of when you hear the word “school?” Blackboards, books, pens and paper the traditional image of a classroom a nice, familiar image, but one that is no longer relevant for the world as it is today. As the digital transformation of industry evolves, information technologies such as 5G, artificial intelligence edge computing and the Internet of Things are driving new levels of automation with the convergence of IT and operation technology .

We now live in a completely connected society, where we must all constantly keep up with the latest innovations. Out with the blackboards, in with the smart boards; and forget pencil sharpeners just don't forget to sharpen your typing skills. As the world transitions to the Internet of Everything where people, processes and data are intelligently connected we'll be linked in even more ways. Here, billions and trillions of sensors around the earth and in its atmosphere will send information back to machines, computers and people for further evaluation and decision-making. This is truly Big Data.

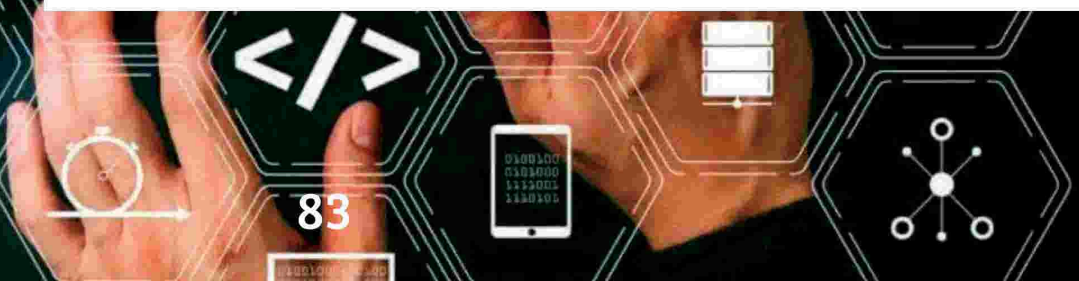
Technology is changing the world around us at a rapid pace and the capabilities of connected devices will continue to advance at break-neck speed. When we harness the ability to turn connections into data, and then into knowledge, we can empower citizens, patients and professionals to prevent disease, avoid or better manage health crises, and even save lives. And when we close the gap between data growth and data value – by ensuring that the right information is delivered to the right person at the right time – we will change the world. All this information gives us the exciting potential to tackle some of the world's biggest social issues such as healthcare. With these network capabilities, it's safe to say that the future includes connected vehicles, connected homes and beyond.

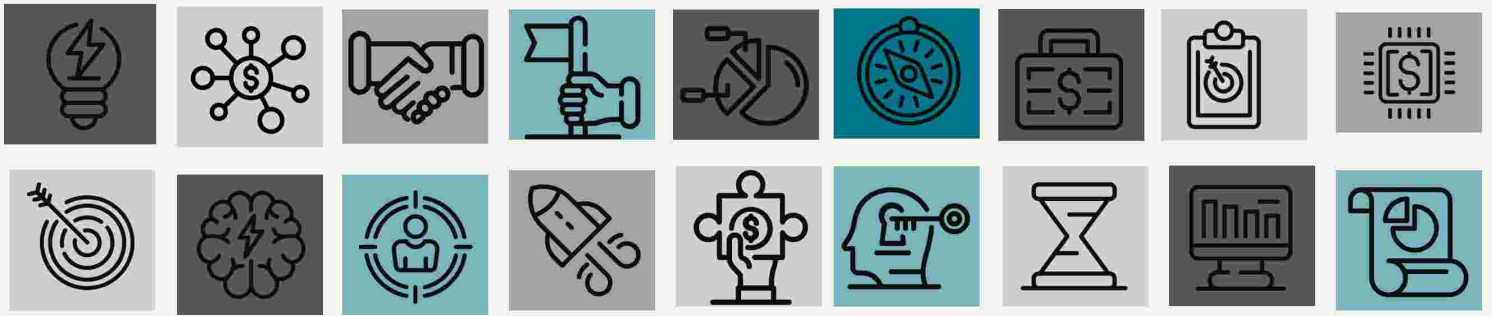
Other success stories using such technologies are, the Great Ormond Street Hospital in London, one of the top pediatric research institutions in the world, using care-at-a-distance technologies to save time and travel costs for children and their families, and increase collaboration between hospitals. Connecting rural communities with urban hospitals, which narrows the gap for access to quality medical care in Kenya where there is one doctor for every 26,000 people..

Even Though the technology is more benefit to us , there are some demerits also Living in a hyper-connected world that is so connected to the online space or technology has its downsides as well. Many of us don't think about it on a daily basis, but online privacy and being aware of plausible risks associated with it are food for thought since we expose such a big part of our data.

With all that being said, I think we should be more critical about all the changes happening linked to hyper-connectivity, not because they are bad and scary but because we should have the ability to look at things from different angles and weigh out the possible risks. We are living in the future and are well developed as a society which relies on technology for many things, which can have so many positive effects.

**POORNIMA P & ROSHINI A**  
THIRD YEAR





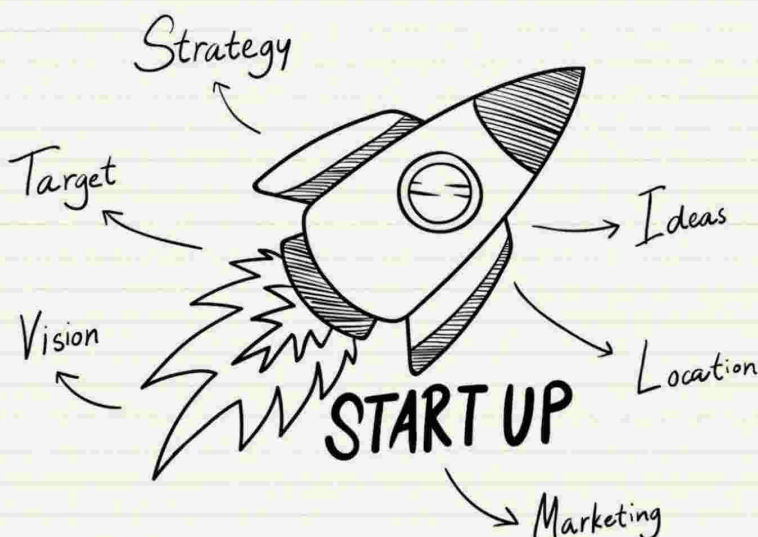
A global pandemic is a once-in-a-lifetime disruption that has serious adverse effects on lives and livelihoods in economies around the world. Almost every major economy in the world has been affected and every country including India has had to bear the cost of economic decline, loss of livelihood and increased health care expenditure. However, India responded with great resilience and became one of the fastest recovering economies in the world. According to the Economic Survey 2021-22, the Covid-19 pandemic has had an adverse impact on most sectors of the economy.

The Government of India has responded with a series of calibrated measures aimed at protecting the lives and livelihoods of the most vulnerable and small enterprises such as the Micro, Small and Medium Enterprises (MSME) segment.

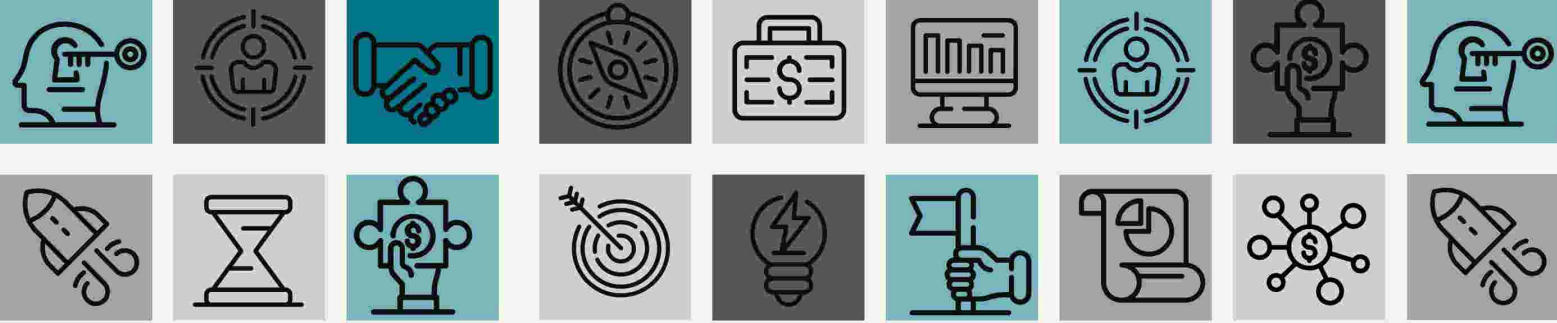
## STUDENT ENTREPRENEURSHIP

India has emerged as the third largest start-up ecosystem in the world after the US and China with over 60,000 start-ups. In 2021 alone, India created 42 unicorns. Business in India today is growing and has reached global level. With the new economic policy and the rise of start-ups in India, more jobs are being created in the market. It helps the Indian economy to grow and attract massive investments.

Entrepreneurship has certain important characteristics. These qualities include the ability to communicate accurately and effectively, leadership skills, the ability to sell products and ideas, having a vision for the future, being flexible, persistent and collaborative. The most important thing in all of this is the vision. No business can survive and grow without a proper vision.



“ An entrepreneur isn't someone who owns a business, its someone who makes things happen



We live in an age of unprecedented global and technological transformation. Today's students face an uncertain future filled with complex global, social and environmental issues. According to the World Economic Forum's Future of Jobs survey, half of today's work activities could be automated by 2055, creating entirely new roles, responsibilities and challenges for the future workforce.

Business-focused programs teach students essential life skills to help them navigate this uncertain future. These skills include problem solving, teamwork, empathy, as well as learning to accept failure as part of the growth process.

Entrepreneurship education promotes creativity, innovation and collaboration. The main quality of business is the ability to solve problems. Students must learn to identify problems before they learn how to solve them. In the real world, problems can only be solved if they have been properly identified and described. Entrepreneurship education teaches children to identify problems they have never encountered before, a skill that will be very useful in the world of tomorrow. By participating in entrepreneurship programs, students not only prepare to create their own future, but also to change the world.

An entrepreneur can stay prepared by carefully maintaining a budget. They can do this by prioritizing effective marketing strategies and allocating the rest to their unique needs. Assessing which expenses are necessary can help entrepreneurs adjust their finances to better prepare for change. For example, they may notice that there is a more affordable manufacturer they can use and reallocate those savings to address higher energy costs.

It is important for entrepreneurs to manage their organization's money carefully so that they can account for possible delays in invoice payments. In addition to budgeting, entrepreneurs can charge a deposit to ensure they can afford expenses until they receive full payment. By sending invoices as soon as possible and requesting payment as soon as they complete projects, entrepreneurs can secure funding for efficient operations.



As creators and leaders of the organization, entrepreneurs guide their employees on how best to fulfil the organization's goals. They can do this by developing clear and detailed guidelines for each role. When an entrepreneur effectively communicates the organization's goals, employees can better understand what they expect and what they are working toward. For example, if the founder of a clean water initiative tells employees the story of why they started the company, they may feel more inspired to work toward the common goal of providing clean water.

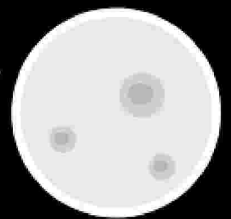
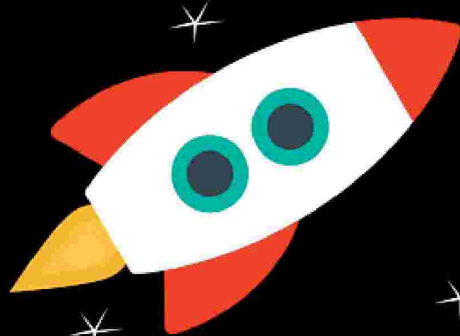
After an entrepreneur has established their business, they may reach a level of success where they want to expand. This stage of running a business requires a lot of consideration, including finding a way to address greater demand, finding new partners and reassessing their role in the company. An entrepreneur can revise existing processes to better suit the company's needs. For example, if a consulting firm uses software built for a smaller client list, it can upgrade to one that better suits a broader client base.

Starting and running a new business creates many regular tasks, so entrepreneurs can create deadlines to help them prioritize their commitments. Because their role can include many responsibilities, entrepreneurs have several approaches to managing time. One strategy they can use is creating goals for themselves and others in the organization. They can judge which tasks are absolutely necessary and which they can delegate.

Entrepreneurs whose organization is doing well may consider partnering with other professionals or businesses. Although this can help them divide leadership responsibilities and increase funding, there are many considerations. First, entrepreneurs can assess areas of improvement, whether a partnership can help, and how their skills and personalities could combine to benefit the organization. It is important to establish the terms of the partnership with the lawyer so that the interests of all parties are protected.

**VARSHA B & VAISHANAVI B**  
THIRD YEAR

# THE RISE OF METAVERSE



Metaverse is one of the buzzwords in technology in recent times. But what exactly does it mean? Let's take a deep dive into the world of Metaverse in this article. Metaverse is basically a virtual reality platform where one can socialize, work and play as a digital avatar. It parallels our own world and even developers trying to create exact human-like appearances with the help of many technologies. There are much more exciting things to be known about Metaverse which follows one by one in this article.

There is actually no proper time period to mention for the rise of Metaverse. Since different people address different incidents as the starting of Metaverse. But, we can say that the components of metaverse technology have been developed within online video games. The 2003 virtual world platform Second Life is often described as the first metaverse, as it incorporated many aspects of social media into a persistent three-dimensional world with the user represented as an avatar. However historical claims of metaverse stated that development started soon after the term was coined. Experts are split about the likely evolution of a truly immersive metaverse. Many people expect that augmented, virtual and mixed-reality enhancements will become more useful in people's daily lives. On the other hand, many worry that current online problems may be magnified if Web3 development is led by those who built today's dominant web platforms.

The metaverse could comprise a solitary stage or numerous web administrations covering simple exercises. It could incorporate PC designs, AR, VR, and individual symbols and be a spot for clients to interface with one another and the rest of the world in horde ways. Likewise, it could connect to outside financial frameworks to permit individuals to benefit from virtual products.

In the Metaverse, there is digital representation of people, places, and objects within this immersive virtual environment that mimics physical aspects and experiences. Connecting with others without physically being present is at the core of the concept, which revolves around consumer needs and desires. In 2019, one of the leading social network companies Facebook launched a social VR world called Facebook Horizon. In 2021, Facebook renamed its brand to Meta and stated the company's commitment to developing a metaverse. With Facebook's rebranding as Meta, the concept recently reached the mainstream. Many of the virtual reality technologies advertised by Meta Platforms are yet to be developed in the coming days.



As users interact in the metaverse, they will use technology such as virtual reality, augmented reality, artificial intelligence, social media, digital currency, and other digital assets. Metaverse development is frequently linked to advancing virtual reality technology due to increasing demands for immersion. Also, recent interest in metaverse development is influenced by Web3, a concept for a decentralized network of the internet. Web3 and The Metaverse have emerged as buzzwords in technology to exaggerate development progress of various related technologies.

In spite of the metaverse's apparent superfluity at present, brands are taking notice and are taking proactive steps to protect their trademarks. About five years from now we will have a seemingly futuristic metaverse. Several companies have already filed applications for virtual goods/services, including McDonald's, Nike, Vineyard Vines, and even Lebron James.

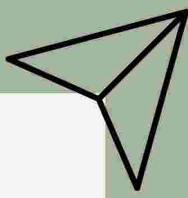
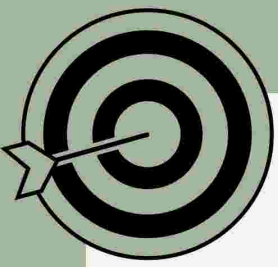
Virtual worlds cannot replace the physical one, but brands can certainly benefit from taking advantage of the metaverse and applying it to their digital footprints, which has incredible potential. Brand leaders should consider how this new way of connecting with customers will impact their business goals and objectives, as well as what types of demographics or consumers they can target. It is essential for brands to plan and invest in their metaverse marketing, operations, and products and services strategy. In this virtual world, there will be no constraint of a physical world.

In a survey regarding the metaverse, 54% of the experts said that they expect by 2040 the metaverse will be a much more refined and truly immersive, well functioning aspect of daily life for a half billion or more people globally. And 46% of the experts said that they expect by 2040 the metaverse will not be a much more refined and truly fully immersive, well functioning aspect of daily life for more than half billion people globally.

Like a coin with two sides, Metaverse has its own drawbacks which needs to be reduced in the future. The most important one is Information privacy because companies will likely collect users personal information through interactions and biometric data from wearable virtual and augmented reality devices. There may be chances of using that information for the company's benefit. Next big threat is the user addiction and excessive social media use. Internet addiction disorder, social media, and video game addiction can have mental and physical damages over a prolonged period of time.

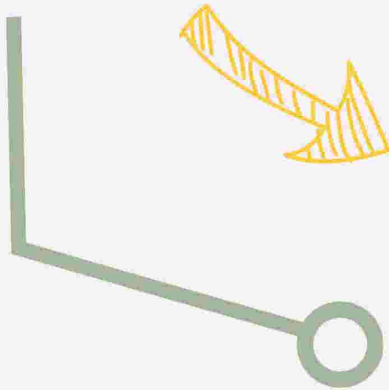
Technophiles consider the metaverse to be nirvana: a place where they can immerse themselves in any digital world and participate in any physical reality at any time - and also feel and see things regardless of their distance from them. There can be much more advancements in the field of Metaverse in the future. I hope this article has given you some exciting insights about Metaverse. Thanks for reading!

**GAYATHRI BUVANESHWARAN**  
**SECOND YEAR**



# Answer Key

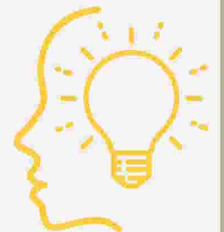
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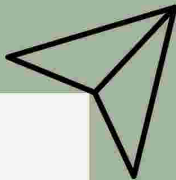
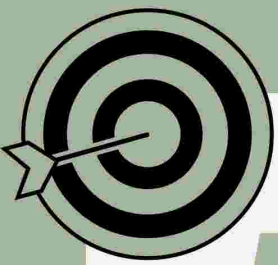


1. GCT OVAL
2. 1951
3. 2
4. SHRI SRI PRAKASA
5. 45 HECTARES
6. J JAYALALITHA
7. 2006
8. IGNITE
9. TELESCOPE AND SPARK PLUG



The key to a free life is to have a strong bond with yourself





# PUZZLE



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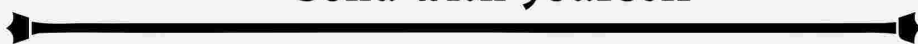
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The key to a free life is to have a strong bond with yourself





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