



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

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Department Of Computer Science and Engineering

# BINARY

*(CSE MAGAZINE)*



EDUCATE

EMPOWER

EXCEL

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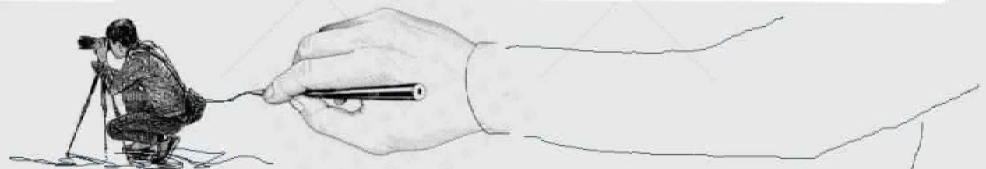
STUDENT ACTIVITY

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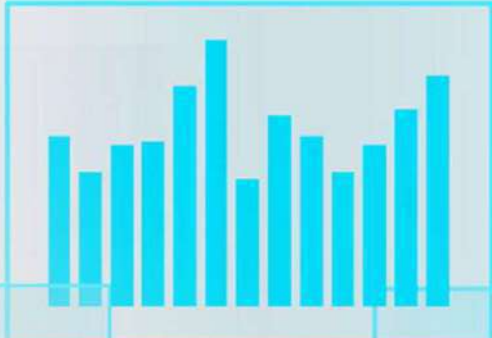
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# VISION & MISSION



# **INSTITUTE**

## **VISION**

**To accomplish excellence in the field of technical education and scientific research on regional, National and International levels through committing to total quality for its faculty, providing excellent infrastructure, research facilities and conducive atmosphere that would motivate the students in the pursuit of knowledge in Engineering and Technology.**

## **MISSION**

- To provide in depth knowledge in fundamentals to students to improve their learning and analytical skills.**
- To provide our students with the most progressive, relevant and well-rounded academic programs, supporting their learning through advanced and extensive resource.**
- To promote interaction with industries and other institutes of higher learning to equip our students to face the challenges on real time problems.**
- To develop the overall personality of the students to mould them into a good citizen with integrity and morality.**

## VISION

To impart knowledge with latest technological advancement in the field of Computer Science and Engineering and transform the learners into global contributors as Innovators, Entrepreneurs and Researchers.

## MISSION

- Higher Order Thinking: To impart strong fundamental concepts, analytical and problem solving ability to hone their professional skills.
- Continuous Learning: To create an excellent conducive atmosphere for student learning and continuous updation of their knowledge on technology.
- Entrepreneurship: To imbibe the spirit of leadership skills to be an active entrepreneur in society with moral values.
- Competency: To enhance the creativity in research and to develop the competency of the students in Technological field.



## **PROGRAM EDUCATIONAL OBJECTIVES (PEO)**

**EMPLOYABILITY**: Our Graduates shall be suitably employed in allied industries/services with professional competency and knowledge of modern tools

**HIGHER EDUCATION**: Our Graduates shall be capable to pursue higher studies/research in the field of Engineering and Management

**ENTREPRENEURSHIP**: Our Graduates shall be prepared for a successful career by meeting, ever increasing demands required by Computer Science and Engineering profession and enable them to become an entrepreneur.

**ETHICAL**: Our Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multidisciplinary approach related to engineering issues.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO)

**PEO1 Professional Excellence:** Graduates will excel in the computing industry by exhibiting exemplary technical knowledge, analytical thinking, and imaginative problem-solving skills in emerging technologies.

**PEO2 Sustainable Technology:** Graduates will develop and deploy innovative solutions that address environmental sustainability, community challenges, and industrial demands.

**PEO3 Entrepreneurship:** Graduates will develop and demonstrate entrepreneurial skills to create successful technology ventures and lead organizational transformation.

**PEO4 Ethical Leadership:** Graduates will demonstrate ethical leadership in computing environments, promoting mentorship, collaboration, and knowledge sharing.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEO)**

**EMPLOYABILITY**: Our Graduates shall be suitably employed in allied industries/services with professional competency and knowledge of modern tools

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**ETHICAL**: Our Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multidisciplinary approach related to engineering issues.



A collage of green graduation caps (mortarboards) flying through the air against a cloudy sky. The caps are in various positions, some upside down, some right side up, creating a sense of motion and celebration.

# STUDENT ACTIVITY







**EVENT NAME:** Youth Icon of Puduvai  
**WINNERS NAME:** FARZANA BEGUM - III  
 (Singapore Educationla Tour)  
**ORGANIZED:** ICTACT  
**DATE:**11.09.2017

**EVENT NAME:** Neural Hack(Coding Contest -2017)  
**WINNERS NAME:** N.PRAVEEN - IV (1st prize)  
**VENUE:**VIRTUSA POLARIS  
**DATE:** 24.11.2017



**EVENT NAME:** Project Contest-Intelligent  
 wheel chair system  
**WINNERS NAME:** ABDULLA.M. G - III  
 KAVIVANAN. M - III  
 DINESHKUMAR (3rd prize)  
**VENUE:**RGCT **DATE:** 23.03.2018



**EVENT NAME:**Paper presentation  
**WINNER NAME:** SAI SARANYA.M - III  
**MAHALAKSHMI.G - III (2nd prize)**  
**VENUE:**PEC  
**DATE:** 17.03.2018



**EVENT NAME:**BOOMERANG  
**WINNER NAME:** HARIHARAAN.R.P - II  
**(2nd prize)**  
**VENUE:**PEC  
**DATE:** 17.03.2018



**EVENT NAME:**  
**WINNER NAME:**Abdulla.M.G  
**Kavivanan.M Ist Prize**  
**(Cash award)**  
**VENUE:**MVIT  
**DATE:** 28.02.2018



**EVENT NAME:**Big Data-Project Contest  
**WINNER NAME:**ANANDKUMAR -III  
**KALAIARASAN -III KAUSHIK JAIN -III**  
**VENUE:**SMVEC  
**DATE:**17.03.2018





# **INDUSTRIAL VISITS**

**Company Name:KAASHIV INFO TECH, CHENNAI**  
**Faculty accompanied:Mr.S.JAYAMOORTHY**  
**Mrs.S.KALAIVANI**  
**Mr.R.RAJBHARATH**  
**Date:15.07.17**

**Company Name:HP(ES) Enterprise , VELACHERRY**  
**Faculty accompanied:Mr. D.LUBIN BALASUBRAMANIAN**  
**Mrs. R.SARANYA**  
**MR.P.SATHIYANARAYANAN**  
**Date:28.06.17**

**Company Name:RAJIV GHANDHI MEMORIAL**  
**TRAINING CENTRE -BSNL,**  
**MEENAMPAKKAM**  
**Faculty accompanied:Mrs. D.MOHANA PRIYA**  
**Mr.S. ASHOK KUMAR**  
**MR.P.SATHIYANARAYANAN**  
**Date:22.02.18**

**Company Name:RAJIV GHANDHI MEMORIAL TRAINING**  
**CENTRE -BSNL, MEENAMPAKKAM**  
**Faculty accompanied:Mr. D.LUBIN BALASUBRAMANIAN**  
**Mrs. R.SARANYA**  
**Date:23.02.18**



# STAFF ACTIVITY





# **SPECIAL LECTURE**

**Name of the Faculty :MRS.D.NAGAMANY ABIRAMI**

**Topic of the Special Lecture :Security services in cloud computing**

**Date :21.12.17**

**Name of the Faculty :DR.S.PARISELVAM**

**Topic of the Special Lecture :secured algorithms**

**Date :28.12.17**

**Name of the Faculty :DR.N.POONGUZHALI**

**Topic of the Special Lecture :Big Data Analytics in healthcare**

**Date :08.02.18**

**Name of the Faculty :MRS.I.VARALAKSHMI**

**Topic of the Special Lecture :Software Defined Networks**

**Date :11.1.18**



**Name of the Faculty :MR.P.ANANDAJAYAM**  
**Topic of the Special Lecture :Analytics skill**  
**Date :01.2.18**

**Name of the Faculty :MR.S.JAYAMOORTHY**  
**Topic of the Special Lecture :Google File Systems**  
**Date :22.2.18**

**Name of the Faculty :MR.R.RAJBHARATH**  
**Topic of the Special Lecture :Software Testing**  
**Date :24.3.18**

**Name of the Faculty :MR.D.LUBIN BALASUBRAMANIAN**  
**Topic of the Special Lecture :Security Issues in wireless  
sensor networks**  
**Date :18.1.18**



# TRAINING & PLACEMENT



NAME OF THE COMPANY	NUMBER OF STUDENTS
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TCS	09
Virtusa	01
KOTTAK MAHINDRA	07
INTEGRA	02
SUTHERLAND	08
SOFT SQUARE	01
IDBI Federal	11
JUST DIAL	04
OFS	02
Mphasis (Software)	05
SURE SOFT	02
VEE Technologies	01
e-sales	03
SMVSS	03
LSE	04

TOTAL NUMBER OF STUDENTS PALCED	72
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# ARTICLES

## ARTICLE ON HEALTH AND FITNESS

Being healthy and fit in simple terms means taking good care of the body. We should remember that a healthy mind resides only in a healthy body. Good health of both mind and body helps one maintain the required energy level to achieve success in life. All of us must strive to achieve wholesome health.

A healthy and fit person is capable of living the life to the fullest, without any major medical or physical issues. Being healthy is not only related to the physical well-being of a person, it also involves the mental stability or the internal peace of a person.

Healthy habits improve your physical appearance, mental stability, ability to perform activities in a better way, which help you lead a stress-free lifestyle, maintaining happy moods, high energy levels, etc. Each individual should take of one's health on a priority; no single day should be skipped for making efforts on maintaining physical and mental fitness. Being happy is directly related to boosting your mental strength and health, so happiness can be considered as the result as well as the part of a healthy and fit lifestyle.

Walking, running, cycling, playing, swimming, gardening, skipping, weight-lifting and Yoga are some of the important activities which help us maintain fit and healthy lifestyle. A person who is fit both physically and mentally is strong enough to face the ups and downs of life, and is not affected by drastic changes in the circumstances.

Things to be done for maintaining balanced healthy and fit lifestyle:

1. Keeping body hydrated – Drink ample water
2. Washing hands before and after meals – Maintain sanitation
3. Regular exercise
4. Intake of nutrients
5. Regular, sound sleep

Be healthy, be happy  
**BEING HEALTHY  
AND FIT ISN'T A  
FAD OR A TREND.  
INSTEAD, IT'S A  
lifestyle.** 



# ARTICLE ON POLLUTION

Anything added into the environment that results in producing harmful or poisonous effect on living things is called pollution. Pollution is the process that makes nature's resources such as land, water, air or other parts of environment unsafe or unsuitable to use. Pollution can be of many types: soil, air, water, thermal, radioactive, noise, and light. The toxins released are inhaled by each one of us while we breathe.

## Pollution and its Causes

Inhaling poisonous air is as hazardous as smoking. It is not only the humans are affected from this polluted environment but also the animals. Air is filled with highly toxic gases. These dangerous gases in environment are released by the power industries that burn fossil fuels, industries that dispose wastes in the water, farmers using pesticides, high usage of artificial lights and loud sounds, etc. Each of these leads to generation of the life threatening cause – pollution. Globalization is another major cause of pollution. Globalization has become an effective facilitator of environmental degradation.

## Preventive measures:

1. Make high use of natural energy than electric energy: dry the clothes naturally.
2. Use recyclable products, wherever possible.
3. Avoid plastic bags and use paper bags.
4. Use public transport to reduce noise, air and light pollution.
5. Protect Mother Earth by not spilling oil, garbage, sewage water, etc at undesirable places.

## **Types of Pollution:**

**Land Pollution** – Wastes collated at Earth's surface, garbage on roads, industrial debris, pesticides, insecticides, etc. Unwanted wastes lying and being decomposed release harmful gases and lead to pollution.

**Water Pollution** – Wastes disposed of in rivers, oceans act as pollutant in water bodies. Raw sewage, oil spills, chemical refuse, etc create poisonous water and hence lead to water pollution.

**Air pollution** – Burning of fossil fuels, release of gases from vehicles release mono-oxide, carbon-di-oxide, industrial pollution, nuclear radiations etc lead to air pollution.

**Noise Pollution** – Vehicle horns, loud music, construction machinery sounds, and other human activities create noise. This affects humans and animals, their natural vegetation and create Noise Pollution.

**Thermal Pollution** – Manufacturing activities lead to rise in the temperature of water and land. This affects marine and plant life. Such activities lead to thermal pollution.





# ARTICLE ON WATER

Water is the precious gift of God on the earth. Life exists on the earth because of the availability of water. Itself being tasteless, odorless and colorless, it adds taste, color and nice smell in the life of living beings on the earth. It is found everywhere and known as life. It takes nothing from us but gives life to us. It has no shape but takes the shape of container we store it. We find it everywhere in rivers, seas, tanks, wells, ponds, etc but we lack clean drinking water. Three-fourth part of the earth is full of water however we need to conserve water as there is very less percentage of clean water.

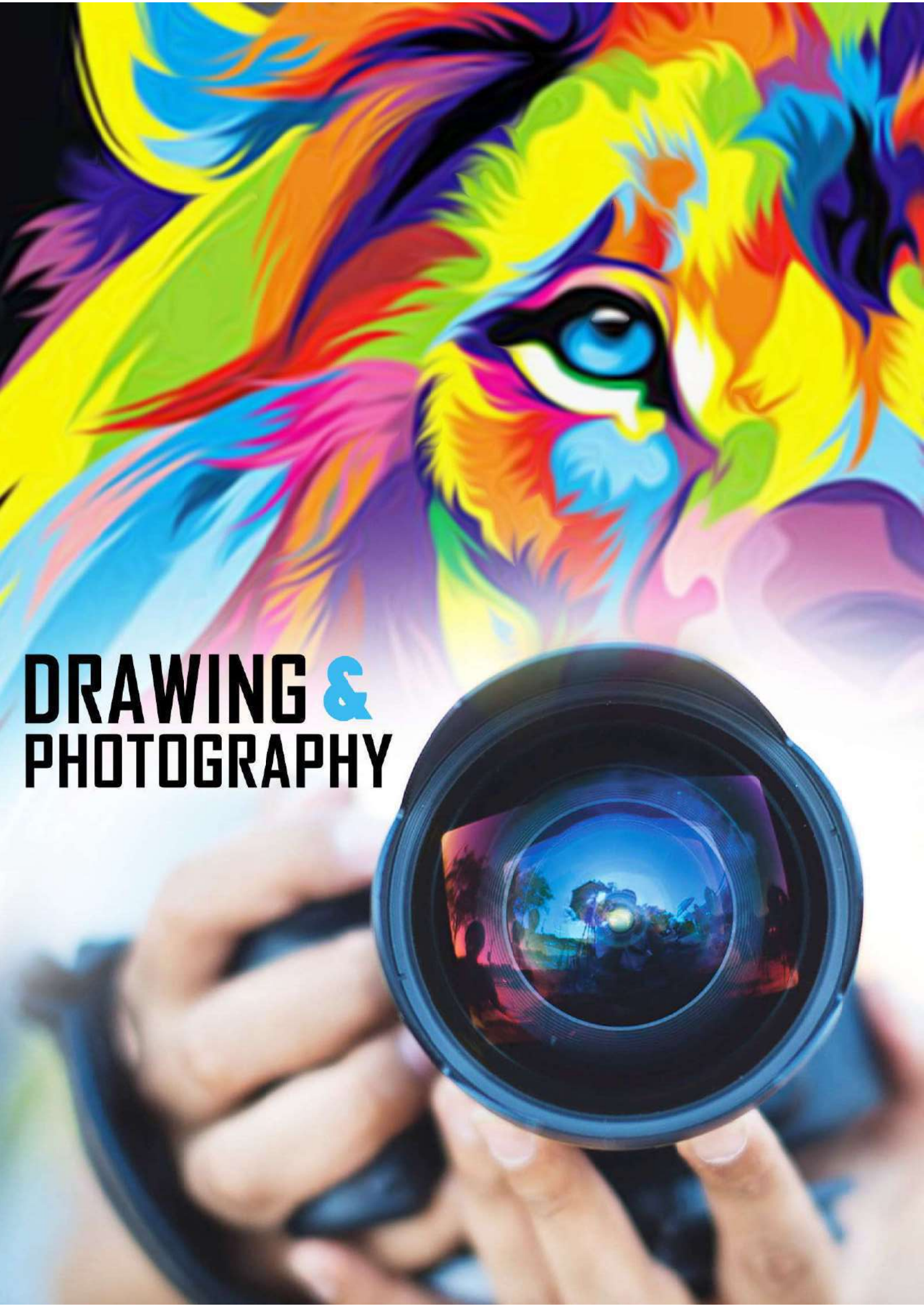
## Importance of Clean Water:

Without water life is not possible on the earth. All the living beings like human, animals, plants, etc need water to grow, develop and live. Water is the only source of all lives here. We need water in all the walks of life from morning till night like drinking, cooking, bathing, washing clothes, watering plant, etc. People working in different fields need water for different purposes such as farmers need water to grow crops, gardeners to water plants, industrialists for industry work, electricity plants to generate hydro-electricity, etc. So, we should save clean water for the wellness of our future generations and healthy life of water and wildlife animals. People at many places of the world are suffering water scarcity or completely lack of water in their regions.

## Percentage of Clean Water:

Three-fourth of the earth is covered by water from which 97% water is ocean water means salt water and completely unfit for our consumption. Left percentage (about 2.7 percent) is fresh drinking water however around 70 percent of this is available as ice sheets and glaciers in Antarctica. So, we only have one percent of fresh water which is fit for human use. We need to practice water conservation on urgent basis in order to make the presence of this precious resource in our life.





# **DRAWING & PHOTOGRAPHY**





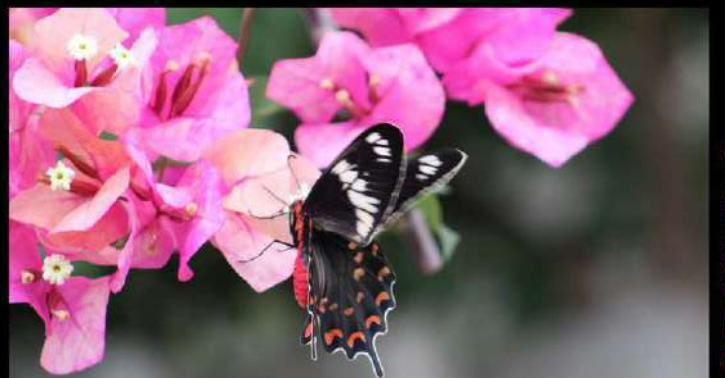
HARIHARAN.M CSE



GOKULNATH CSE A (III YEAR)



GOWTHAM CSE (III YEAR)

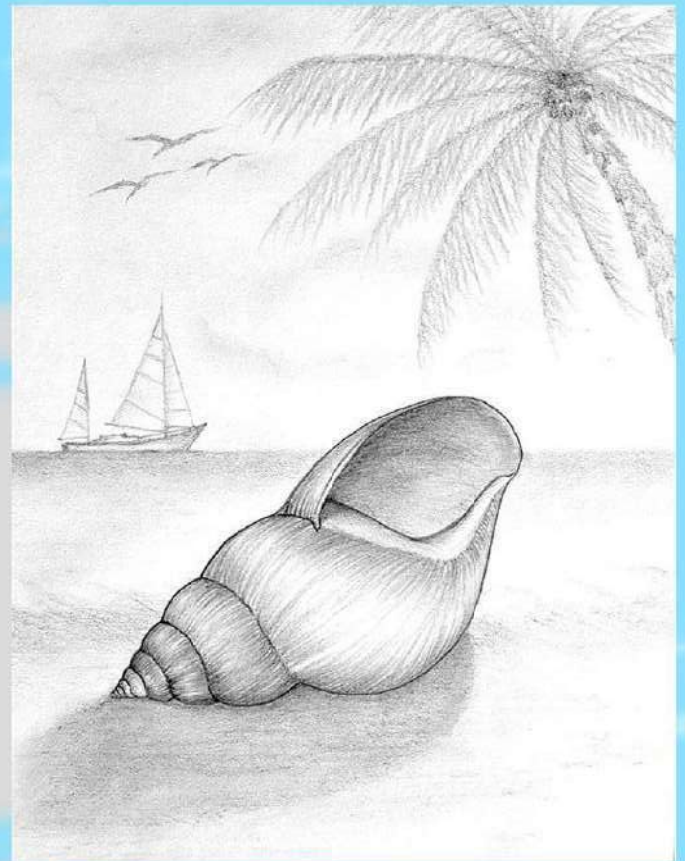


ARUNKUMAR.K CSE B (III YEAR)





Harish.B.T (CSE B) II Year



Jaikumar (CSE B) III Year



Srividhya (CSE A) IV Year



Dhanusha (CSE A) III Year

## The Editorial Board

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