



**Dwaraka Doss Goverdhan Doss Vaishnav College**

(AUTONOMOUS)

Reaccredited With A++ Grade by NAAC

**Department of Computer Science (UG & PG)**

# TECH GAZETTE

"I think it's a  
new feature.  
Don't tell  
anyone it was  
an accident"





DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE  
(AUTONOMOUS)

**Reaccredited With A++ Grade by NAAC**  
College with Potentiaal For Excellence, Linguistic minority Institution,  
Affiliated to University of Madras, Arumbakkam,  
Chennai - 600 106.

DEPARTMENT OF COMPUTER SCIENCE [UG & PG]



TECH  
GAZETTE



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# MESSAGE FROM SECRETARY



Dear students and faculty members of the Computer Science Department, it is my pleasure to announce that our department will be launching a new magazine focused on computer science. This magazine will provide a platform for students, researchers, and industry professionals to share their knowledge and ideas, as well as stay up-to-date with the latest developments in the field

As you all know, computer science is an ever-evolving field that is becoming increasingly important in our daily lives. From artificial intelligence to cyber security, computer science is at the forefront of innovation and progress. Our new magazine will help us keep pace with these changes and ensure that we remain at the forefront of research and development. Finally, I would like to thank our department faculty members who have worked hard to make this magazine a reality. Their dedication and commitment to the advancement of our field is truly inspiring.

Thank you for your attention, and I look forward to seeing our department magazine thrive and become a valuable resource for all of us

**Shri. Ashok Kumar Mundhra**  
**Secretary**



# **MESSAGE FROM PRINCIPAL**



Dear students, faculty members, and distinguished guests,

As the principal of this college, I am always impressed by the exceptional quality of work that is produced by our students and faculty. The college magazine serves as a platform for us to showcase the many talents of our community, including research, writing, and visual arts. It is important for us to recognize and celebrate the diverse perspectives that are represented in the magazine. By doing so, we are fostering a culture of inclusion and supporting our students and faculty to express themselves freely.

I am grateful for the dedication and hard work that has gone into the creation of this magazine. I encourage all of you to take a moment to appreciate the inspiring and thought-provoking articles, stories, and images that are contained within its pages. Thank you to everyone who contributed to the magazine, and I look forward to seeing the continued growth and success of our college community

**Dr. S. Santhosh Baboo**  
**Principal**

## **MESSAGE FROM HOD**



Dear students, it gives me immense pleasure to write to you all through this college magazine. As the Head of the Department, I am delighted to see the progress and achievements of our students in various domains.

This magazine is a reflection of our collective efforts towards academic excellence, co-curricular activities, and community engagement. The articles, poems, and artwork submitted by our students are a testament to their creativity, intelligence, and passion.

I would like to extend my appreciation to the editorial team for their dedication and hard work in bringing out this magazine. It is no small feat to gather and curate such a diverse range of content, and they have done a splendid job.

I would also like to take this opportunity to encourage our students to continue pursuing their interests and aspirations with fervor and enthusiasm. Your talent and hard work will undoubtedly take you to new heights of success.

Once again, congratulations to all the contributors of this magazine, and I wish you all the very best for your future endeavors.

**Ms. P. Suganya**  
**Head of Department**



## **ABOUT COLLEGE**

DDGD College is a college located in Chennai, Tamil Nadu, India. It was established in 1964 and is affiliated with the University of Madras. The college offers undergraduate, postgraduate, and doctoral programs in various disciplines such as Arts, Commerce, Science, Management, and Computer Applications.

The college has a well-established infrastructure with modern facilities such as a library, computer labs, auditorium, sports complex, and a cafeteria. It also has a highly qualified faculty with extensive teaching experience.

DDGD Vaishnav College is known for its academic excellence and has been ranked among the top colleges in India by various ranking agencies. The college also provides ample opportunities for co-curricular and extracurricular activities, including sports, cultural events, and community service.

Overall, DDGD Vaishnav College is a highly reputed institution that offers quality education and prepares its students for successful careers in various fields.



# **ABOUT COLLEGE INFRASTRUCTURE**

The college has a modern infrastructure that includes well-equipped classrooms, laboratories, libraries, sports facilities, and hostel accommodation. Here are some specific details about the infrastructure of the college:

**Classrooms:** The classrooms are spacious and well-ventilated with comfortable seating arrangements. The college also has smart classrooms that are equipped with modern teaching aids like projectors, screens, and whiteboards.

**Laboratories:** The college has well-equipped computer science labs and IT labs are also well-equipped with the latest technology.

**Library:** The college has a well-stocked library with a vast collection of books, journals, and magazines. The library has a seating capacity of over 300 students. Overall, the infrastructure of DDGD Vaishnav College is modern and well-maintained, providing a conducive learning environment for students.



## **ABOUT DEPARTMENT**



The Computer Science Department at DDGD Vaishnav College is known for its excellent faculty members who have expertise in various areas of computer science. The department also has well-equipped laboratories with the latest hardware and software resources to provide hands-on training to the students.

The undergraduate program in Computer Science at DDGD Vaishnav College is a three-year course that covers topics such as programming, data structures, algorithms, computer networks, database systems, and operating systems. The postgraduate program in Computer Science is a two-year course that focuses on advanced topics in computer science such as machine learning, artificial intelligence, computer vision, and natural language processing.

The Computer Science Department at DDGD Vaishnav College also encourages students to participate in various co-curricular and extra-curricular activities such as coding competitions, hackathons, and workshops to enhance their technical skills and knowledge.

Overall, the Computer Science Department at DDGD Vaishnav College provides a rigorous academic program and excellent opportunities for students to develop their technical skills and prepare for a successful career in the field of computer science.

# **VISION**

The mission of the Computer Science Department at Dwaraka Doss Goverdhan Doss Vaishnav College is to provide a dynamic and collaborative learning environment that prepares students to become innovative problem-solvers and leaders in the rapidly-evolving field of computer science.

Our curriculum focuses on developing strong technical and analytical skills, while also promoting creativity, critical thinking, and effective communication. We strive to cultivate a culture of inclusivity and diversity, where students from all backgrounds feel supported and empowered to pursue their passions and achieve their goals.



# **MISSION**

Our vision for the Computer Science Department at Dwaraka Doss Goverdhan Doss Vaishnav College is to be recognized as a premier destination for students seeking a rigorous and engaging education in computer science.

We aim to attract and retain top talent among faculty and students, foster interdisciplinary collaborations across campus, and forge strong connections with industry partners to ensure that our graduates are well-equipped to tackle the most pressing challenges of the digital age. We are committed to promoting excellence, innovation, and social responsibility in all aspects of our teaching, research, and service



***DEPART***  
***ACTIV***





# MENT ITIES

# **SEMINAR ON PERSONALITY AND CAREER DEVELOPMENT**

**27th August, 2022**



The Department of Computer Science conducted a “Seminar on Personality and Career Development” on 27/08/2022. The Program was conducted at Seminar Hall, Krishna Block between 2.30 PM to 4.30 PM. Ms. P.Suganya, Head of Department of Computer Science, welcomed resource persons and the participants. The Resource Persons gave brief about how to enhance their communication skills and interpersonal skills in order to function in professional and social settings effectively; to enrich the academic language skills (writing and presentation skills) for academic writing and presentations; to understand effective planning, time management and implementation for setting goals and achieving both personal and professional goals; to learn to evaluate oneself (self-appraisal and introspection) for further growth, personally and professionally to the students.

The Feedback of the seminar was obtained from the participants. The seminar went on successfully with more participants and with good comments as feedback. The responses of the participants were so good. The main goal to conduct this seminar was to enhance the knowledge related to the current scenario and Under and Post Graduate students to enrich various aspects of their personality and to shape themselves in achieving their pursuits



# **GUEST LECTURE ON CRYPTOASSETS**

**20th September, 2022**

Crypto assets are digital assets that use cryptography for security and operate on decentralized networks known as blockchains. The most well-known crypto asset is Bitcoin, but there are now thousands of other crypto assets, including Ethereum, Binance Coin, Dogecoin, and many more.

Crypto assets can be used for a variety of purposes, including as a means of exchange, as a store of value, and as a speculative investment. They offer a number of advantages over traditional assets, including lower transaction costs, faster settlement times, and increased transparency.



The Department of Computer Science conducted a "Guest Lecture on Crypto Assets" on 20/09/2022. The Program was conducted at Seminar Hall, Krishna Block between 12.00 PM to 1.30 PM. Ms. P.Suganya, Head, Department of Computer Science, welcomed resource persons and the participants. The Resource Persons gave brief about As Bit coin, crypto currency and block chain technology gain in popularity. This will introduce some of the commercial uses of bit coin and other Crypto currencies.

The Feedback of the seminar was obtained from the participants. The seminar went on successfully with more participants and with good comments as feedback. The responses of the participants were so good. The main goal to conduct this seminar was to enhance the knowledge related to the current scenario and Under and Post Graduate students to enrich various aspects of their personality and to shape themselves in achieving their pursuits



# **WORKSHOP ON BIG DATA ANALYSIS USING HADOOP**

**21st & 22nd September, 2022**

Big Data is unwieldy because of its vast size, and needs tools to efficiently process and extract meaningful results from it. Hadoop is an open source software framework and platform for storing, analysing and processing data. This article is a beginner's guide to how Hadoop can help in the analysis of Big Data. Technically, Big Data refers to a large set of data that can be analyzed by means of computational techniques to draw patterns and reveal the common or recurring points that would help to predict the next step—especially human behaviour, like future consumer actions based on an analysis of past purchase patterns.



The PG Department of Computer Science of Dwaraka Doss Goverdhan Doss Vaishnav College organized a 2 Day Workshop on “ Big Data Analysis using Hadoop” on 21/09/2022 & 22/09/2022. The Workshop was conducted at M.Sc. CS Lab, Krishna Block between 2.00 PM to 6 PM on both the days.

Ms. P.Suganya, Head of Department of Computer Science, welcomed the resource person and the participants.

The Feedback of the workshop was obtained from the participants. The Workshop went on successfully with 54 participants and with good comments as feedback. The responses of the participants were so good. The main goal to conduct this workshop was to create a great blend of industry – relevant technology among the students and to develop their analytical skills on large sets of data and thus the students were equipped with essential skills to use Hadoop for Big Data Analysis.



# **GUEST LECTURE ON FIREBASE**

**30th September, 2022**

Firestore is a Backend-as-a-Service (BaaS) platform developed by Google. It provides developers with a suite of tools and services to build and manage their mobile and web applications. Firestore offers a range of features, including real-time database, authentication, hosting, cloud functions, storage, analytics, and more. One of the most popular features of Firestore is the real-time database, which is a cloud-hosted NoSQL database that allows developers to build real-time applications. Firestore's real-time database uses WebSockets to provide a live, synchronized view of your data to your clients.



The Department of Computer Science conducted a “Guest Lecture on Firbase” on 30/09/2022. The Program was conducted at Seminar Hall, Krishna Block between 3.00 PM to 4.30 PM. Ms. R. Lalitha, Assitant Professor, Department of Computer Science , welcomed resource persons and the participants. The Resource Person gave brief explanation about the computing and development tool “FIREBASE” .

The Feedback of the Guest Lecture was obtained from the participants. The Session went on successfully with more participants and with good comments as feedback. The responses of the participants were so good. The main goal to conduct this Guest Lecture was to enhance the knowledge about the computing and development tool “FIREBASE”.





# **GUEST LECTURE ON AMAZON WEB SERVICES**

**14th October, 2022**

Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud platform, offering over 200 fully featured services from data centers globally. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—are using AWS to lower costs, become more agile, and innovate faster.



The Department of Computer Science conducted a “Guest Lecture on Amazon Web Services” on 14/10/2022. The Program was conducted at Seminar Hall, Krishna Block between 2.30 PM to 4.30 PM. Ms. P.Suganya, Head, Department of Computer Science (UG & PG)7.5, welcomed resource persons and the participants. The Resource Person gave brief explanation about the IT service management- “Amazon Web Services”.



# **TRAINING PROGRAMME ON STEM**

## **TECHNOLOGY**

**5th November, 2022**

Science, technology, engineering, and mathematics (STEM) is an umbrella term used to group together the distinct but related technical disciplines of science, technology, engineering, and mathematics. The term is typically used in the context of education policy or curriculum choices in schools. It has implications for workforce development, national security concerns (as a shortage of STEM-educated citizens can reduce effectiveness in this area) and immigration policy.



The objective of this Training programme is to acquire basic idea of STEM Technology using mat lab and its modules. The session started at 2:00PM by welcoming the resource person Mr.N.SIVASAMBHANTHAM, TRAINEE HEAD,CHENNAI SOFTECH. In this Training programme, the STEM technology and its applications was presented by Mr.N.SIVASAMBHANTHAM. The training programme had provided the knowledge about the robotics through stem technology. It was a practical session in which we are provided with the robotic kits and motors. The mentor guided us to assemble the robotic machine and taught us to program the logic in a system. We had learnt about the serial and parallel movement of the motors and looping concept also. Through looping, we made the machine to move in a square shape. It was very interesting to work with the robots in practical.



# **WORKSHOP ON CAREER GUIDANCE**

**7th November, 2022**

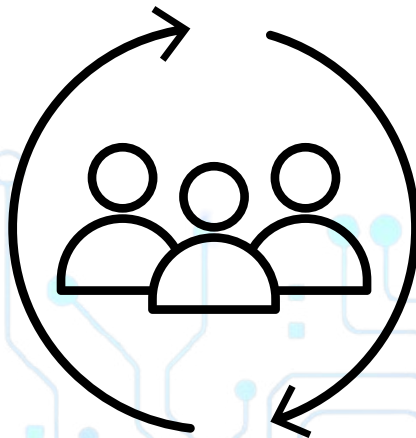
Career counseling is a type of advice-giving and support provided by career counselors to their clients, to help the clients manage their journey through life, learning and work changes (career). This includes career exploration, making career choices, managing career changes, lifelong career development and dealing with other career-related issues. There is no agreed definition of career counseling worldwide, mainly due to conceptual, cultural and linguistic differences.

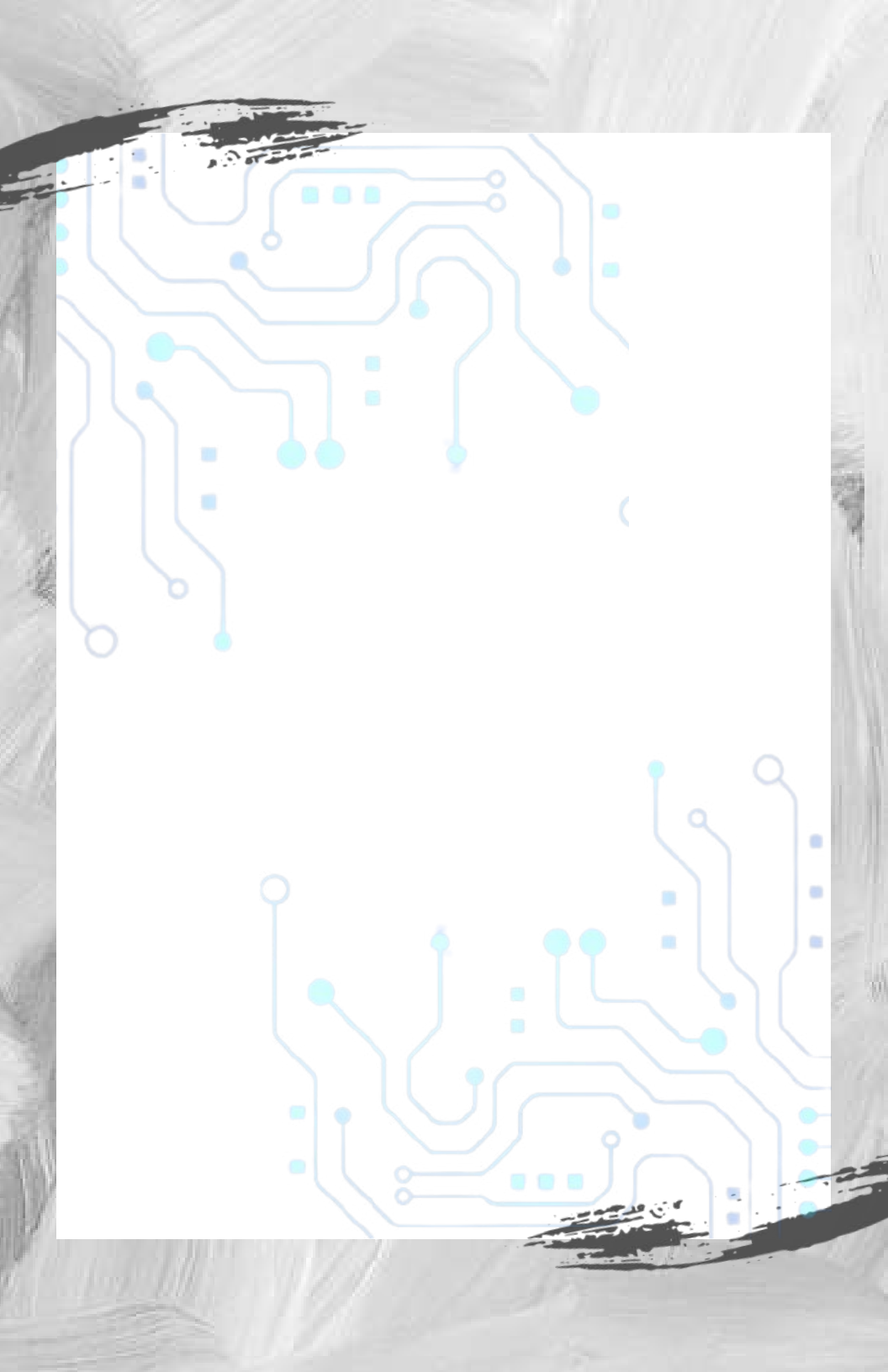


The objective of this workshop was to acquire basic knowledge on career. The session started at 2:00pm by welcoming the resource persons Mr. Krishna Vishvanathan, Ms. Manjari Raja. In this workshop, an online test was conducted. The workshop had provided the knowledge about the various opportunities to do higher studies abroad. Finally, Mr. Krishna Vishvanathan responded to the Questions and doubts raised by the participants. The workshop was very interactive with the participants responding with relevant questions and observations. The participant's feedback was very encouraging and appreciated the flow of the Training Programme.



# VALUE ADDED COURSES







# MoU

## DIGITAL MEDIA AND PUBLISHING TOOLS:

The Department of Computer Science (UG & PG) for I B.Sc signed MoU with Chennai soft training Institution for Value added courses. Digital media refers to content that is created, distributed, and consumed in digital form.

Publishing tools, on the other hand, are software programs or applications that enable the creation, editing, design, and distribution of digital media content.

## R PROGRAMMING:

The Department of Computer Science (UG & PG) for II B.Sc signed MoU with Chennai soft training Institution for Value added courses. R programming is an open-source programming language widely used for statistical analysis, data visualization, and data manipulation. R is widely used by statisticians, data scientists, researchers, and analysts for data analysis, data and statistical modeling.



## SQL & PYTHON:

The Department of Computer Science(UG & PG) for III B.Sc signed MoU with Imarticus training Institution for Value added courses. SQL (Structured Query Language) is a programming language used for managing and manipulating relational databases. Python, on the other hand, is a high-level programming language that is widely used for a variety of tasks, including web development, data analysis, and machine learning.

## POWER BI & TABLEAU:

The Department of Computer Science (UG & PG) for I & II M.Sc signed MoU with Chennai soft training Institution for Value added courses. Power BI and Tableau are both popular business intelligence and data visualization tools used by organizations to analyze and present data in a meaningful way.



# MoU



## UI/UX:

The Department of Computer Science (UG & PG) for I B.Sc signed MoU with Chennai soft training Institution for Value added courses. UI (User Interface) and UX (User Experience) are two important concepts in the design of software, websites, and other digital products.

## FULL STACK DEVELOPMENT:

The Department of Computer Science(UG & PG) for I & II M.Sc signed MoU with Chennai soft training Institution for Value added courses. Full-stack development is a term used to describe the development of web applications that involve all layers of the software stack, from the user interface (UI) to the back-end server-side logic and database management.

## IOT:

The Department of Computer Science (UG & PG) for II B.Sc signed MoU with Chennai soft training Institution for Value added courses. IoT stands for Internet of Things. It is a network of physical objects, devices, vehicles, buildings, and other items that are embedded with sensors, software, and connectivity, enabling them to collect and exchange data over the internet.

## POWER BI & TABLEAU:

The Department of Computer Science (UG & PG) for III B.Sc signed MoU with IMARTICUS training Institution for Value added courses. Power BI and Tableau are both popular business intelligence and data visualization tools used by organizations to analyze and present data in a meaningful way.





# STUDENT INDUCTION PROGRAMME







# STUDENT ORIENTATION PROGRAMME

16th-18th August, 2022

&

22nd-24th August, 2022



Student induction programme is a series of activities and events that are designed to help new students adjust to their new academic and social environment.

The goal of a student induction programme is to provide new students with the necessary information, resources, and support they need to succeed in their studies and to integrate into the campus community.







ALUMNI  
CONSORTIUM





## **ALUMNI MEET**



An alumni meet, also known as a reunion or homecoming, is an event organized by educational institutions or organizations to bring together former students or members who have graduated from or left the organization.

Alumni meets provide an opportunity for alumni to stay connected with their alma mater and their former classmates, and to contribute to the development of the institution by sharing their expertise and resources. They are also an opportunity for the educational institution to showcase their achievements, programs, and facilities to alumni and to seek their support for fundraising campaigns or other initiatives.

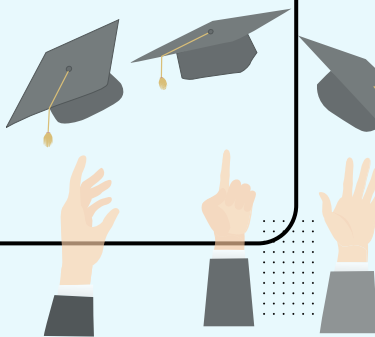


## **ALUMNI GUEST LECTURE**



Guest lectures are presentations given by a speaker who is invited to speak at an educational institution, conference, or event. Guest lectures are usually given by experts, professionals, or academics in a particular field, and are intended to share their knowledge, expertise, and insights with the audience. They can be organized as part of a regular course curriculum, as a standalone event, or as a series of lectures on a specific topic.

The benefits of guest lectures were numerous. They expose students and attendees to a wider range of perspectives, experiences, and expertise, and can provide real-world examples and case studies to complement theoretical learning. Guest lectures can also facilitate networking opportunities and provide inspiration and motivation to attendees.









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DEPARTMENT OF COMPUTER SCIENCE  
(UG & PG)

TRANSCODE FORUM

TechCraze is typically organized by our faculty, staff, and students of UG and PG Department of Computer Science. This event has served a variety of purposes.





**Selva Mariappan**  
Lieutenant Commander

“

It has been providing networking opportunities for students and professionals in a specific field or industry

”

**Rohit Nathan IPS**  
Deputy Commissioner  
Of Police



**Sai Gayatri**  
Actress



**Sheriina**  
Actress

**Sidd Ahmed**  
CEO of VDART

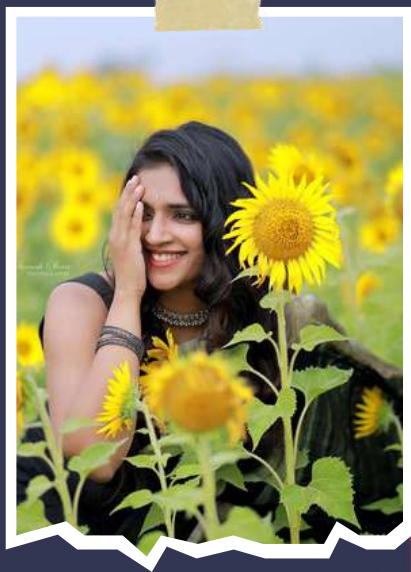


**Mohammad Irfaan**  
Youtuber

**Ashwini Aanandita**  
Actress



**Raghav Ethan**  
Men's Physique



**Vasundhra**  
Actress





Surendar vj

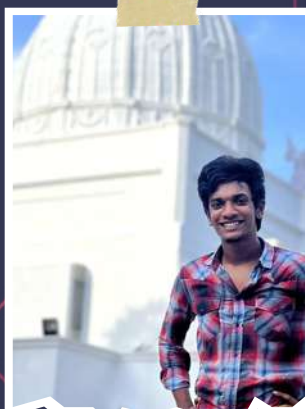


Aashik gopinath

# KANAA KANUM KAALANGAL



Sathya narayanan



Aegan

# Memorable Moments from TechCraze 2023



- Offered educational and career development workshops, seminars, or guest speaker series
- Celebrated departmental achievements, such as research breakthroughs, awards, or faculty publications.

A vibrant nighttime cityscape featuring several illuminated skyscrapers. The sky is a deep blue, and the city lights create a warm, glowing atmosphere. A helicopter is visible in the upper right, and a bright green light source is near the top of one of the towers. The word "Travel" is written in a stylized, pink and blue cursive font across the middle of the image.

Travel

elogy



# THE FARM VISIT

**6th February , 2023**

**IF YOU TICKLE THE  
EARTH  
WITH A HOE ,  
SHE LAUGHS WITH  
A HARVEST**





**The DDGD Vaishnav conducted the student's participation in farm land. The main goal was to hold a space where students can learn, practice, and model an ecologically, socially, and economically sustainable agriculture and food system. .**



# DAKSHINA CHITRA

4th February , 2023

**MUSEUMS ARE  
PLACE FOR  
EXPLORATION AND  
EXCITEMENTS.**



**THE WORD 'DAKSHINA' MEANS SOUTH AND 'CHITRA' MEANS PICTURE. SO DAKSHINACHITRA MEANS 'PICTURE OF THE SOUTH'. THIS PLACE GIVES US AN EXCELLENT IDEA ABOUT THE HOUSES OF DIFFERENT STATES OF SOUTH INDIA, ESPECIALLY HOW THEY ARE BUILT, TAKING INTO CONSIDERATION OF THE CLIMATE AND THE PROFESSION OF THE PEOPLE IN IT. .**





11 ←

← 13 V



FILM NEGATIVE

← 14 V

← 14 V



FILM NEGATIVE

FILM NEGATIVE

# IMARTICUS LEARNING

6th March , 2023.

**The roots of Education  
are bitter, but the  
Fruit is Sweet!**







**Imarticus Learning  
is a fantastic  
place to begin  
your career  
and so our**

**DDGD Vaishnav college  
students participated in this  
event and get knowledge  
about the courses.**

**Great ambience ,  
experienced  
faculties and good  
support of student  
coordinators**





# CREATIVITY





# CORNER



# ARTICLES

## QUANTUM COMPUTER



-BY  
**NITHIN KUMAR.G**  
1st Year

## DIGITALIZATION

Digitalization is the process of spreading of a general purpose technology. The last similar phenomenon was electrification. Digitalization of products and service shortens distance between people and things. It increases mobility and it makes network effects decisive. It opens up sample opportunities for innovation, investment, and the creation of new business and jobs. Going forward it will be one of the main drivers of sustainable growth. It provides power to our fingers. One touch can do many things. It makes it easier to connect with others from different places and it also improves business processes. Due to it's fast pace technology, digitalization will save our time. It also saves money as we don't have the need to go anywhere. Many digital platforms are prone to security issues like hacking, privacy is another concern associated with it. However, it offers better customer.

-BY  
**SANDHIYA.S**  
1st Year

Quantum computing is a type of computation whose operations can harness the phenomena of quantum mechanics, such as superposition, interface and entanglement. Devices that perform quantum computations are known as quantum computers. Though current quantum computers are too small to outperform usual computer for practical application, larger realization are believed to be capable of integer factorization, substantially faster than classical computers. The study of quantum computing is a sub-field of quantum information science. There are several models of quantum computation with the most widely used being quantum circuits. Other models include the quantum during machine, quantum annealing, and adiabatic quantum computation. Most models are based on the quantum computation, most models are based on the quantum bit or "qubit", which is somewhat analogous to bit in classical computation. A qubit can be in a 1 or 0 quantum state, or in a superposition of the 1 & 0 states. When it is measured however it is always 0 or 1; the probability of either outcome depends on the qubit's quantum state immediately prior to measurement. One model that does not use qubits is continuous various quantum computation.





## ADVANCED TECHNOLOGIES

Artificial intelligence refers to the intelligence of machines. This is in contrast to the natural intelligence of animals. With contrast of humans and Artificial Intelligence, machines can perform functions such as learning, planning, reasoning and problem-solving. Most noteworthy, Artificial Intelligence is the simulation of human intelligence by machines. It is probably the fastest-growing development in the world of technology and innovation.

These machines can react to situations. A famous example is Deep Blue, the IBM chess Program. Most importantly, Chess Program won against Garry Kasparov, the popular chess legend. Furthermore, such machines lack memories. There machines certainly cannot use past experience. to inform future. It analyses all ones, possible alternatives and choose the best one.

These AI systems are capable of using past experiences to inform future ones. A good example can be self-driving cars. decision making cars have systems. The car makes action like changing lanes. Most noteworthy these actions come from observations.



-BY  
**VAMSI CHARAN.S.P**  
1st Year

## ARTIFICIAL INTELLIGENCE

Artificial Intelligence created in 1950 by John McCarthy. John McCarthy is regarded as the father of artificial intelligence. Artificial Intelligence is enhancing the ability of machines to make it perform in the same way as human beings.

Machines make the work easier, further helping to resolve a problem in a human way. According to the current system of classification, there are four primary AI types: Reactive, limited memory, theory of mind and self aware. AI reads human behaviour to develop intelligent machines. The foundation goal of AI is to design a technology that enables computer systems to work intelligently yet independently.



-BY  
**VARSHINI.M**  
1st Year



## PYTHON TOUR



PYTHON is a programming language which we knew is much easier and compatible than C++, Java due to its productive coding and efficient time-saving as the syntaxes and statements are user- friendly. The program which you execute in other programming languages for 15-20 lines can be executed in just 3-5 lines in PYTHON language. In this article, we will look into how PYTHON evolved over years and why should you learn PYTHON if you want to be placed in an IT hute.

We might argue that C++ and Java are the must known programming language for coders as those languages are still relevant as it was during earlier times. But where PYTHON stands top and superior is both c++ & Java are object-oriented languages whereas PYTHON is not only object-oriented but also supports procedure oriented programming. Having said that, let's get to know the must-know history of PYTHON before converging to how it have evolved over the years.

Guido van Rossum began working on "PYTHON" in the late 1980s as a successor to the ABC Programming Language and was released it in 1991 as Python 0.9.0. Later Python 2.0 version was released in 2000 and introduced new features such as list- comprehensions, garbage collection, reference counting and unicode support. Now heading to how PYTHON language evolved to be one of the most popular and most efficient programming languages in the world. The process started in 2008 when Guido launched PYTHON 3.0 which was a major revision that is not completely backward compatible with earlier versions. PYTHON is known to be a son of all programming languages thanks to its extensive syntax library. Adding to that SETL (SET Language) played a pivotal role in establishment of PYTHON language. Guido implemented SETL in developing PYTHON as the lead developer of the project.

When PYTHON 3.0 backfired, developers made security patches and other improvements forward ported the language to PYTHON 3.7 in 2019. Plethora of job opportunities was readily available thanks to PYTHON's new upgrades. with successful launches, we have our latest version 3.11.4 with no security breaches making it one of the most secured programming languages. PYTHON language should be in resumes (CV) if you want to be placed your as a data analyst, software engineer in a major IT hub.

-BY  
SARAN.S  
3rd YEAR



## ROBOTICS



Robots are the largest growing technological device in the world. Robotics is one of the advanced technology which deals with the design, construction and operation of robots. These technology deals with automated machines which performs various. human activities like carrying things, cooking, cleaning, and so on. Robotics is one of field of computer Science Engineering. the It is one of the developing technology in the world. Robots can work according to the programming given to them.

Robots are widely used in industries to perform various works which is carried out by humans. They are not only used in industries but also in homes, hospitals etc. In developed Countries like China, Japan where 80% labours in industries are robots. Robots are the life of humans much easier. They can improve the productivity and reduce the manufacturing costs. Robots are also used in space exploration, agriculture, military, health care, food preparation, underwater exploration and so on.

Though it has some disadvantages also. Robots cannot do something they are not designed to do. They lack emotions. Robots increase the unemployment rate of a particular place where it is used. They produce lots of electronic waste. Robots are expensive for buying. They require constant power for working. They can't think according for themselves, they can only work according to the program which is given to perform various works by humans.

Robots have made our life more easier efficient, but it cannot replace the and more human intelligence. Even though, it works according to the programs which is given by humans. Sooner or later in the future, robots are going to rule the world by replacing humans. In the future, robots will be able to teach humans.

**-BY  
SWETHA.E  
1st Year**



## BENEFITS OF TRAVEL AND EXPLORATION

Travel and exploration are activities that are loved and appreciated by people from all walks of life. Whether it's a weekend getaway, a backpacking trip across the world, or a simple road trip, travel offers numerous benefits to individuals who are willing to step out of their comfort zones and explore new places. In this essay, we will discuss some of the most significant benefits of travel and exploration. Firstly, travel and exploration allow individuals to gain a new perspective on life. When we travel, we are exposed to new cultures, customs, and ways of living that are different from our own. This exposure can challenge our assumptions, beliefs, and values, and help us gain a broader perspective on the world. Traveling also helps us appreciate the diversity of human life, and realize that our own problems and challenges may not be as significant as we once thought.

Secondly, travel and exploration can enhance our creativity and imagination. When we explore new places, we are often confronted with unfamiliar sights, sounds, smells, and tastes. This sensory overload can stimulate our minds, and inspire us to think more creatively. Traveling to new places can also expose us to art, music, and literature that we may not have encountered otherwise. All of these experiences can enhance our creativity and imagination, and help us think outside the box. Thirdly, travel and exploration can help us develop important life skills. When we travel, we are often required to navigate unfamiliar terrain, communicate with people who speak different languages, and solve unexpected problems. These experiences can help us develop skills such as adaptability, resilience, and problem-solving. Additionally, travel and exploration can improve our social skills, as we are forced to interact with strangers and build relationships with people from different backgrounds. Finally, travel and exploration can improve our mental health and well-being. When we travel, we are often able to escape the stresses and routines of everyday life. This break from our normal routines can help us relax and recharge, and reduce feelings of stress and anxiety. Additionally, travel and exploration can help us build new memories and experiences that can bring us joy and happiness long after our trip has ended.

In conclusion, travel and exploration are activities that offer numerous benefits to individuals who are willing to take the plunge and step out of their comfort zones. From gaining a new perspective on life to enhancing our creativity, developing important life skills, and improving our mental health and well-being, there are countless reasons to explore new places and cultures. So why not pack your bags and start your adventure today?

BY  
ARIVAZHAGANJ  
1st Year





# Sketches



**CHIRRAJ JAIN.5**  
**B.SC (S II - A)**





**Kruthivas Sarma**  
**B.SC III-A**





**VEDA PRAKASH.J**

**B.SC CS 2A**



**MANIKANDAN.T**  
**B.SC CS 2A**



**Shakthimaala**  
**I-A**


# F a c t s

## WHY DO WE STUDY MATHS?



### WE MUST STUDY MATHS

TO ADD NOBLE EQUALITIES  
TO SUBTRACT BAD QUALITIES  
TO MULTIPLY LOVE & FRIENDSHIP  
TO DIVIDE EQUAL THOUGHTS AMONG US  
TO ROOT-OUT DREADFUL CASTE AND  
GREED  
TO EQUATE RICH & POOR IN SOCIETY  
TO ELIMINATE SOCIAL EVILS  
TO DIFFERENTIATE GOOD FROM BAD  
TO INTEGRATE PEOPLE OF OUR COUNTRY  
TO MINIMISE OUR IGNORANCE  
TO MAXIMISE OUR IQ  
TO EXPAND OUR UNITY AMONG THE  
WORLD  
TO SIMPLYFY OUR DIFFICULTIES AND  
TO BE RATIONAL AND DYNAMIC



-BY  
CHIRRAG JAIN.S  
2nd Year



# UNITY IS DIVERSITY



**'Temple'** is a 6 letter word

**'Mosque'** is a 6 letter word

And **'Church'** is also a 6 letter word

**'Bible'** is a 5 letter word

**'Quran'** is a 5 letter word

And **'Geeta'** is also a 5 letter word

**The letter itself has Unity**

**Why can't we?**



-BY  
**PRAVEENA.C**  
**1st Year**



# PHOTO GRAPHY



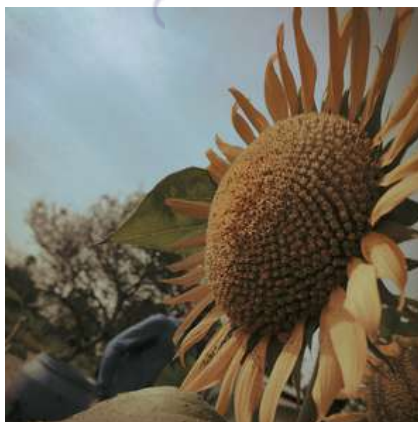
-BY  
**MUKESHWAR.R**  
2nd Year



**-BY**  
**MANIKANDAN.T**  
**2nd Year**

-BY

S.Karthickkeyan  
2nd Year



-BY

ASWIN.S  
2nd Year

02.jpg



MINIMAL

01.jpg







STUD  
*Achiev*

# DENTS

*ements*





1ST PRIZE-MISHMASH  
(SDNB VAISHNAV COLLEGE)



**B.SUDHARSAN- II 'A'**



**BLESSED SAMUEL- II 'B'**

1ST PRIZE - SPELL BEE-INNOWIZ  
(DDGD VAISHNAV COLLEGE)  
3RD PRIZE- TAMIL POETRY WRITING-  
TAMIL MUTTAMIZH VIZHA  
(DDGD VAISHNAV COLLEGE)



**S.SARAN- I 'B'**



**R.DHANUSH- II 'B'**

1ST PRIZE- CONNECTIONS  
(DDGD VAISHNAV COLLEGE)  
3RD PRIZE - TABOO  
(SDNB VAISHNAV COLLEGE)  
PLACARD HOLDER- INDEPENDENCE DAY  
MARCH-PAST  
(DDGD VAISHNAV COLLEGE)

1ST PRIZE-DRAWING COMPETITION  
(S.A ARTS AND SCIENCE COLLEGE)



**VEDA PRAKASH.J- II 'A'**

2ND PRIZE-POSTER DESIGNING  
1ST PRIZE- PLAY PAUSE REWIND  
(PRATHYUSHA ENGINEERING COLLEGE)  
GLITZZ CELEBRITY COMMITTEE



**S.KARTHICKKEYAN- II 'B'**

1ST PRIZE- PLAY PAUSE REWIND  
(PRATHYUSHA ENGINEERING COLLEGE)



**MADAN.MK- II 'B'**



**B.DHAYA PRADEEP- II 'B'**

1ST PRIZE- PLAY PAUSE REWIND  
(PRATHYUSHA ENGINEERING COLLEGE)

1ST PRIZE-ADZAP-LUMIERE'22  
(DDGD VAISHNAV COLLEGE)  
1ST PRIZE-GROUP DANCE-  
ARTISTICS'22  
(DDGD VAISHNAV COLLEGE)  
1ST PRIZE- ADZAP- SYNERGY'22  
(DDGD VAISHNAV COLLEGE)  
2ND PRIZE- GROUP DANCE-  
COMME'X'22  
(SRM INSTITUTE RAMAPURAM)  
3RD PRIZE-ADZAP- SAMVRUTH'22  
(DDGD VAISHNAV COLLEGE)



**M.SANJAY KUMAR- II 'B'**



**M.V.JAGANNADHAN- II 'B'**

GLITZZ SPONSOR COMMITTEE  
FANAA PRO COMMITTEE  
WORLD ROTARACT WEEK PITCH PERFECT  
DISTRICT ROTARACT ASSEMBLY (AGARAM)

1ST PRIZE-INTER DEPARTMENT  
SPORTS DAY SHUTTLE BADMINTON  
MATCH



**V.JAYA SURYA- III 'A'**

1ST PRIZE-QUIZ  
(S.A ARTS AND SCIENCE COLLEGE)



**G.K.SWATHI- I 'B'**



**VARSHINI.M- I 'A'**

1ST PRIZE- CREATIVE WRITING-  
STRIDE'22  
(DDGD VAISHNAV COLLEGE)

2ND PRIZE-MEME CREATION(LOYOLA  
COLLEGE), 2ND PRIZE-MEME  
CREATION(ANNA ADARSH FOR WOMEN)



**KISHORE- I 'B'**



**LIONEL SAM SINGH.JM - III 'B'**

**3RD PRIZE-POTPOURRI  
(SDNB VAISHNAV COLLEGE)**

**1ST PRIZE-MISHMASH  
(SDNB VAISHNAV COLLEGE)**



**DHANRAJ- II 'A'**



**SURYA PRAKASH.V- II 'B'**

**3RD PRIZE- QUIZ  
(SDNB VAISHNAV COLLEGE)**



3RD PRIZE-POTPOURRI  
(SDNB VAISHNAV COLLEGE)



VINISHA.G- III 'B'



KRUTHIVAS SARMA- III 'A'

1ST PRIZE-OSINT  
(DR. M.G.R. EDUCATIONAL AND  
RESEARCH INSTITUTE UNIVERSITY)

1ST PRIZE-KABBADI



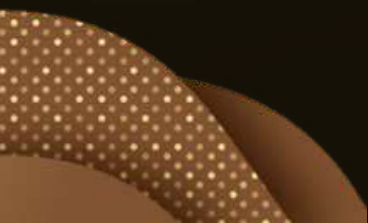
SANTHOSH- III'A'



Trans





# code forum





# ABOUT

Department of Computer Science was established in the year 1996 to develop young minds for improving their skill-sets needed for enriched career development. The department has dedicated teaching faculties to train the students in latest technologies for their career development.



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**Veda Prakash**



**Gayathri**



**Karthickkeyan**



**Sadhana**

# OUR MEMORIES



ES

A good life is  
a collection  
of  
happy  
memories

memories









# VBAZAAR MEMORIES



→ 13

→ 13 A

FILM NEGATIVE



→ 13

→ 13 A

FILM NEGATIVE

FILM NEGATIVE



→ 14

→ 14 A

FILM NEGATIVE



→ 14

→ 14 A

FILM NEGATIVE

FILM NEGATIVE











# Transcode Forum 2k22





# Favorite

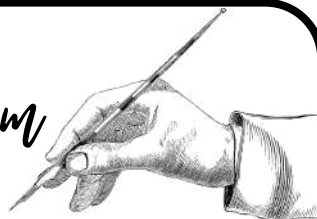




# Memories



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Arivazhagan  
Jai akash  
Pragadeesh  
Kishore  
Rajan





"Coding, it's an endless process of trial and error, of trying to get the right command in the right place, with sometimes just a semicolon making the difference between success and failure. Code breaks and then it falls apart, and it often takes many, many tries until that magical moment when what you're trying to build comes to life."

- Reshma Saujani,  
Entrepreneur, founder of Girls Who Code