

**Report on the Activities Involved and Observations made  
during the Induction Program**

**Bachelor of Technology**  
in  
**Computer Science and Engineering**  
(With Spec. in Blockchain Technology)

*by*  
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**Introduction to Engineering – BCSE101N**

**School of Computer Science and Engineering**  
**Vellore Institute of Technology**  
**Vellore-14**



September, 2022

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## DECLARATION

I, Naveen Kumar.D (Reg. No.:22BKT0003), hereby declare that the report submitted by me, as a partial fulfilment of the course on 'Introduction to Engineering (BEEE101N)' registered during Fall Semester 2022 – 2023, is a record of the activities involved and the observations made by me during the Induction Program during September 2022 – October 2022.

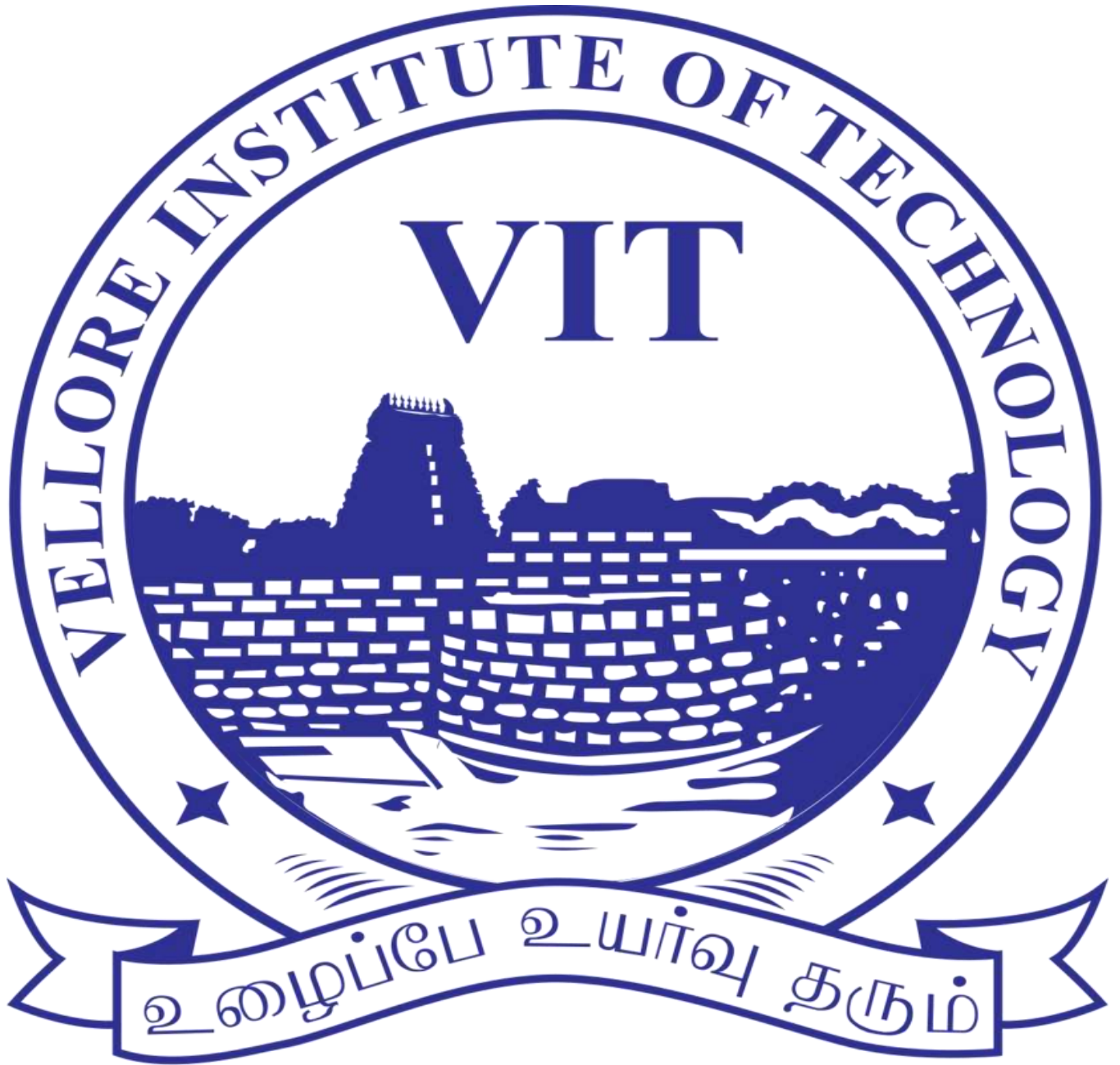
To the best of my knowledge, this document has been prepared by me keeping in mind the professional ethics and has not been copied either in part or in full.

Date: 07<sup>th</sup> December ,2022.

Place: Vellore Institute of Technology, Vellore campus.



Signature of the Student



# **INTRODUCTION TO ENGINEERING**

**NAVEEN KUMAR.D**

**22BKT0003**

# INTRODUCTION TO ENGINEERING

**NAVEEN KUMAR.D**

**22BKT0003**

## **Report on the Activities involved and Observations made during the Induction Program**

### **1.1 STUDENT INDUCTION PROGRAMME:**

The Student Induction Program's goal is to assist new students in adjusting to their new surroundings, instilling the institution's ethos and culture in them, assisting them in forming relationships with other students and staff members, and exposing them to a feeling of greater purpose and self-exploration.

Induction is a broad phrase that refers to the whole process of incumbents adjusting to or acclimating to their new positions and environments. In other words, it's a well-organized event aimed to informing newcomers about the atmosphere at a certain organization and connecting them with the individuals who work there.

The Student Induction Program begins working with incoming students as soon as they arrive at the school; regular classes begin after that. The incumbents learn about the institution's policies, methods, practices, culture, and values at the outset of the induction, and their mentor groups are created. Then the

## **DECLARATION**

I, NAVEEN KUMAR.D  
(22BKT0003), HEREBY  
DECLARE THAT THE REPORT  
SUBMITTED BY ME, AS A  
PARTIAL FULFILMENT OF THE  
COURSE ON 'INTRODUCTION  
TO ENGINEERING' REGISTERED  
DURING FALL SEMESTER  
2022 – 23, IS A RECORD OF  
THE ACTIVITIES INVOLVED AND  
THE OBSERVATIONS MADE BY  
ME DURING THE INDUCTION  
PROGRAM .

TO THE BEST OF MY  
KNOWLEDGE, THIS DOCUMENT  
HAS BEEN PREPARED BY ME  
KEEPING IN MIND THE  
PROFESSIONAL ETHICS AND  
HAS NOT BEEN COPIED EITHER  
IN PART OR IN FULL.

DATE: 4TH DECEMBER  
2022

SIGNATURE OF THE  
STUDENT:



various activities begin, including those that occur on a daily basis.

### **THE INDUCTION PROGRAM:**

On the morning of September 9, 2022, at 10 a.m., the first day of the induction program began with general institution induction. Our Vice Chancellor, Pro-Vice Chancellor, Vice President, Dean Academics, and all other VIT faculty members greeted us graciously and briefed us about our university, as well as a glimpse into our future at VIT. The wonderful session was over by 12 p.m. Later that day at 2 p.m., we were given a comprehensive use and purpose of VTOP. He effectively described the function and use of VTOP to both students and parents. The Dean of Academics then gave us an excellent overview of Academics at VIT. Our Dean of Academics gave a thorough overview of the academic session, curriculum specifics, program structure, assessment types & weightage, credit system, grading system, and prerequisites. The afternoon session eventually came to a close. We were warmly welcomed by our faculty members of School of Computer Science and Engineering (SCOPE).

Freshers' induction is an important part of the college experience. It is the first time that students get to know the college staff and their peers, as well as gain an understanding of the college culture and expectations. A successful induction programme can make a significant impact on student engagement, academic success, and overall college experience.

At our college, we have a comprehensive freshers induction programme that helps our new students feel welcomed and ready to learn. Our programme begins before students arrive on campus. We send out welcome packs to all new students, which include information about college life, a list of clubs and societies, and contact details for college staff. All new students also receive a tour of the college and are introduced to our academic staff.

On the first day of the induction programme, all new students are invited to an orientation session. During this session, the college staff introduces the students to the college's mission, values, and expectations. We also provide an overview of the college's academic and social offerings, as well as how to access student support services. After this,

the college staff and student representatives provide a tour of the campus and a detailed introduction to the college's facilities and services.

During the remainder of the induction programme, students are encouraged to participate in a variety of activities. These activities include group discussions, group games, and team-building exercises. We also host a number of workshops and presentations on topics such as study skills, time management, and career planning. This helps the students to become familiar with the college and its resources, as well as to start building relationships with their peers.

At the end of the induction programme, all new students are invited to a celebration dinner. This is a great way to end the programme and to help the students feel like they are part of the college community. During the dinner, college staff and student representatives provide words of encouragement and advice. We also recognize the achievements of our new students and encourage them to continue striving for excellence.

Overall, our fresher's induction programme is an important and effective way of introducing our new students to the college. It helps them to get to know the college staff and their peers, as well as understand the college culture and expectations. We hope that our induction programme will help our new students to achieve academic success and have a positive college experience.

**DR. RAMESH BABU K (DEAN):**

- 1.VIT is one of the best universities in India and all over the globe.
- 2.Most of the faculties hold a PhD degree.
- 3.Curriculum has been updated up to date.
- 4.Placements are high and companies from all the globe recruit the graduates.
- 5.VIT's Alumni network is pretty strong.
- 6.Many events are conducted in VIT and encourages students to participate in extracurricular activities.





## SCOPE (SCHOOL OF COMPUTER SCIENCE AND ENGINEERING)

Computer Science and Engineering (CSE) is a field of engineering that involves the integration of computers and computing software with other systems and technologies. It is a broad field with many sub-disciplines, including software engineering, artificial intelligence, computer-aided design, robotics, computer network engineering, and computer systems engineering. CSE has been around for many years, but in recent decades it has experienced tremendous growth and has become an important part of our daily lives.

Computer Science and Engineering has its roots in early computing machines, such as the mechanical calculators of the eighteenth century. The first computers were developed in the 1940s and 1950s and these machines had a profound impact on the development of CSE. As computers continued to become more powerful, they began to be used in more and more areas of research and engineering. This led to the development of computer languages and software tools, which enabled engineers to design and develop complex systems. CSE also became increasingly important in the world of business, as computers were used to manage large databases, to automate complex processes, and to provide analytical tools for decision-making.

In the late twentieth century, CSE experienced a period of rapid growth. This was due in large part to the development of the Internet and the World Wide Web. The Internet allowed computers to be connected to each other and allowed for the exchange of information between them. This meant that computers could be used to design, build, and maintain complex systems, as well as to store and retrieve vast amounts of data. In addition, the World Wide Web enabled people to access and share information across the globe.

Today, CSE is used in nearly every aspect of our lives. From the computers in our homes and offices, to the computers in our cars, to the computers in our phones, CSE is everywhere. It is used to analyze data, to create models, and to develop new technologies. It

is used in the medical field to track patient records, to diagnose diseases, and to develop treatments. It is used in the banking industry to process transactions and to protect customers' information. It is used in the aerospace industry to design and build aircraft, and to control them while they are in flight.

Computer Science and Engineering is a rapidly evolving field, and its applications are constantly growing. In order to keep up with the changing world, CSE professionals must stay up to date with the latest technologies, tools, and techniques. They must also have a strong understanding of mathematics and computer science, as well as an understanding of the principles of engineering.

Computer Science and Engineering is a fascinating field, and it is one that will continue to be important for many years to come. By staying current on the latest developments and trends, CSE professionals will be able to take advantage of the opportunities that arise and to make a real difference in the world.

Computer Science is an ever-evolving field that has revolutionized the way we think about problem-solving and technological systems. It has pushed the boundaries of technological innovation and pushed the envelope for advancements in many industries. From aerospace engineering to healthcare, computer science has been used to develop new and innovative solutions to some of the world's toughest problems.

Computer science has been used to revolutionize many industries, such as health care, aerospace engineering, and finance. In health care, computer science has been used to develop new techniques and treatments for cancer, heart disease, and other ailments. In aerospace engineering, computer science has been used to create more efficient and accurate flight control systems. In finance, computer science has been used to develop sophisticated trading algorithms and financial models.

Computer scientists have been instrumental in the development of mobile phones, the internet, artificial intelligence, and virtual reality. These advancements have changed the way we communicate, learn, and do business. Mobile phones have allowed us to stay connected on the go, the internet has allowed us to access vast amounts of information, and artificial intelligence and virtual reality have made it possible to create immersive experiences.

In addition to its role in technological development, computer science has also had a significant impact on society. It has been used to develop tools to combat poverty, reduce environmental degradation, and improve educational and economic opportunities. For example, computer science has been used to develop software and applications that can be used to track and predict climate change, to identify areas of poverty and inequality, and to develop strategies to improve access to education.

Computer Science has also been used to improve the way we communicate. Through the use of social media, computer scientists have been able to develop powerful and efficient ways for people to stay connected. Social media has made it possible for people to share ideas, opinions, and experiences with others from around the world.

Computer Science is an ever-evolving field that has revolutionized the way we think about problem-solving and technological systems. It has allowed us to develop new and innovative solutions to some of the world's toughest problems. It has also created new opportunities for people to stay connected, learn, and do business. As the field continues to grow, computer scientists will continue to push the boundaries of innovation and technological advancement.

## BLOCKCHAIN

Blockchain is a revolutionary technology that has the potential to revolutionize the way people and businesses interact and transact with each other. It is a digital ledger that records online transactions, contracts and other data securely, immutably and irrevocably. In essence, Blockchain is a distributed database that is managed by a network of computers. This network is secured by cryptography, making it virtually impossible to tamper with or alter the data stored on it.

Blockchain technology has been around since the early 1990s, when it was first used to secure communications over the internet. Since then, it has evolved to become an integral part of many online systems, including cryptocurrency and financial services. By leveraging the distributed ledger technology of blockchain, organizations can decentralize their operations, streamline their processes, reduce costs and increase security.

Blockchain technology can be used for a variety of purposes, including tracking and tracing of goods, verifying identities, managing digital assets, and much more. For example,

in the financial services sector, blockchain can be used to facilitate payments and money transfers, as well as to create and store records of transactions. In the healthcare sector, blockchain can be used to store and secure patient records, helping to protect patients' privacy.

One of the primary advantages of blockchain technology is its immutability. The data stored on a blockchain cannot be altered or tampered with, as the ledger is distributed across multiple computers in the network. This makes it highly secure, as tampering with the data would require access to all of the computers in the network. Additionally, blockchain technology is also highly transparent, as all transactions are recorded on the ledger and can be viewed by all participants in the network.

Furthermore, blockchain technology is highly efficient, as it eliminates the need for third-party intermediaries and can reduce transaction costs. By removing the need for intermediaries, the traditional process of transferring money or goods can be streamlined and completed in a fraction of the time. Additionally, blockchain technology can also help to reduce fraud, as it enables organizations to verify identities and track transactions securely.

Overall, blockchain technology is a revolutionary technology that has the potential to revolutionize the way people and businesses interact and transact with each other. It is a secure, immutable and transparent technology that can be used for a variety of purposes. By leveraging the distributed ledger technology of blockchain, organizations can decentralize their operations, streamline their processes, reduce costs and increase security. This makes it an essential technology for businesses and organizations of all sizes.

Blockchain engineering is a revolutionary technology that enables the secure and decentralized storage, transfer, and execution of digital assets and information. The technology, which is based on the concept of distributed ledger technology, was originally developed as the architecture for Bitcoin—the world's first decentralized digital currency—in 2008. Since then, blockchain technology has been adopted by a variety of industries and has been used to facilitate a new wave of advanced applications and services.

At its core, blockchain engineering is about enabling trust. It allows digital assets to be securely and immutably stored, transferred, and executed without the need for a trusted third party. This means that, unlike traditional financial systems, users do not need to trust a centralized authority in order to ensure that their transactions are secure and valid. Instead, they can be confident that the transactions will be processed accurately and securely, as the distributed ledger technology used in blockchain networks ensures that all transactions are cryptographically linked and verified.

The benefits of blockchain engineering extend beyond the security and trust that it enables. By eliminating the need for a centralized authority, it also allows for the greater decentralization of services and applications. This means that these services and applications can be used by anyone, regardless of their location or geographical boundaries. Furthermore, blockchain engineering also provides users with greater control and transparency over their digital assets and information. This is because all transactions are recorded on a public ledger that is shared between all users of the network.

Blockchain engineering can be used to facilitate the development of smart contracts. A smart contract is a computer protocol that facilitates the exchange of digital assets and information between two or more parties without the need for a trusted third party. This means that businesses and individuals can enter into agreements that are enforced by the blockchain network, without the need for a middleman.

#### DIRECTOR OF LIBRARY:

Library, otherwise called maze of books, is quite possibly of the main spot in a foundation. It has a quiet climate since the point of the area is utilized for perusing a specific book. From initial year through fourth year, the VIT library incorporates an assortment of study books. They give reference materials to help understudies to plan for Felines, FATs, and, surprisingly, the expositions and meetings that they practice in clubs or for a program. They have coordinated everything so we can rapidly find the reference books and materials we really want for a specific subject. For instance, python programming will be tracked down in the software engineering region, and we might involve the accompanying pages to look for the data we look for. From that point onward, we'll get the required material.

A library is an assortment of books and different materials that is utilized for examination, learning, and happiness. It is a safe space and a wellspring of information and motivation. The library has been a fundamental piece of society since old times and keeps on assuming a significant part in this day and age.

A library is something beyond an assortment of books and materials. It is where individuals can go to look for information, look for replies, track down solace, and investigate groundbreaking thoughts. Libraries give admittance to various assets, including books, magazines, papers, sound and video accounts, data sets, and the Web. These assets are accessible to everybody, no matter what their age, race, orientation, or financial status.

Libraries likewise give an extraordinary climate to learning. They offer a peaceful, coordinated environment where individuals can study and research without interference. Libraries additionally give admittance to data that may not be accessible somewhere else, like interesting books, records, and chronicles.

Libraries are not simply places to track down data. They likewise act as a position of local area and get-together. Libraries have occasions like classes, talks, and book clubs. They offer different projects for kids, youngsters, and grown-ups. Libraries are additionally places to meet individuals and make associations.

Libraries are not only for the informed and affluent. Everybody can profit from the library. An incredible asset for individuals might not approach similar assets as those with more cash or training. Libraries are many times utilized as a shelter for those out of luck and give a protected, inviting climate for all.

The library is a significant piece of our way of life and our general public. It is a position of learning and development, a wellspring of data and information, and a shelter for those out of luck. The library is where everybody can go to track down something, learn something, or simply escape from the world.

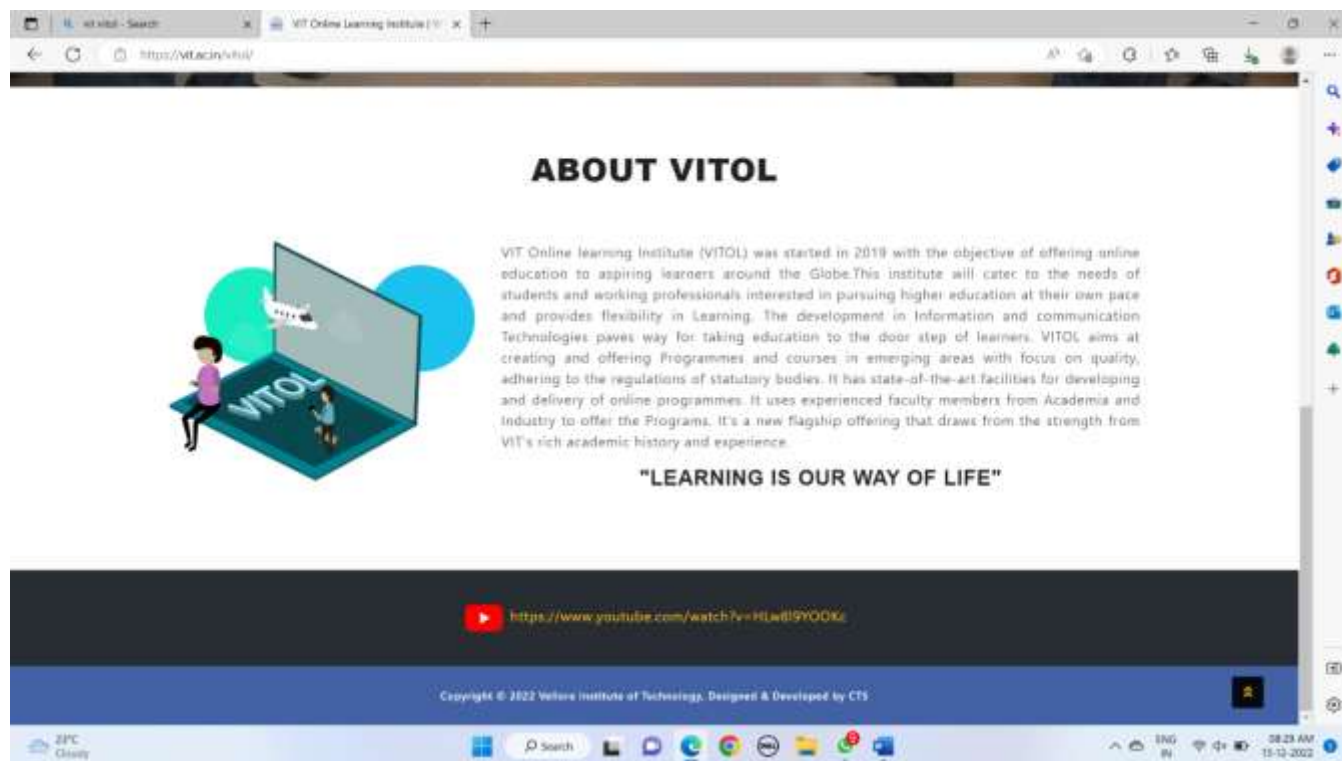
## INFORMATION FROM THE WEBPAGE OF CENTRAL LIBRARY:

VIT Web based learning Establishment (VITOL) was begun in 2019 with the target of offering on the web schooling to hopeful students around the Globe.

This organization will take special care of the requirements of understudies and working experts keen on seeking after advanced education at their own speed and gives adaptability in Learning. The improvement in Data and correspondence Advancements clears way for making schooling to the entryway stride of students.

VITOL targets making and offering Projects and courses in arising regions with center around quality, complying to the guidelines of legal bodies. It has best in class offices for creating and conveyance of online projects.

It utilizes experienced employees from The scholarly community and Industry to offer the Projects. It's another leader offering that draws from the strength from VIT's rich scholastic history and experience.



## ENTREPRENEURSHIP:

Entrepreneurships is a calling where individuals consider making an item all alone (indistinguishable/extraordinary) and conveying it to the market as a commitment to society. It is alluded to as a 'Start Up' in layman's terms. Business expects understudies to look at how the working environment capabilities, for example, what a small number of people make the item, what a small number of individuals witness the thing being made, and the number of individuals that question what the thing is utilized for. These parts cooperate to frame the work environment or occupations. Sir then, at that point, continued to show us a drawing of an Elephant entrapped in a rope. The elephant answers being abandoned beyond its local climate in this situation. This is an illustration of how business people think and the difficulties they face while attempting to tackle an issue.

Entrepreneurship is a significant piece of the cutting-edge economy. It is the most common way of making and dealing with another undertaking fully intent on producing benefits. Business visionaries are individuals who face challenges and make answers for society's concerns. They can detect open doors, concoct inventive arrangements, and deal with the dangers related with their business.

Business has a long history, going back similar to the Medieval times. It was during this period that the main organizations were laid out, and the idea of business venture started to come to fruition. As time went on, an ever-increasing number of business visionaries arose in various enterprises, each with their own one-of-a-kind way to deal with business.

In present day times, the idea of business venture has developed essentially. With the presentation of innovation and globalization, the open doors accessible to business visionaries have expanded altogether. Presently, business visionaries can begin their own organizations anyplace on the planet, and access a worldwide market. This has empowered business people to foster organizations that are both imaginative and productive, and emphatically affect society.



Business venture is a critical driver of monetary development and occupation creation. It makes new organizations and ventures, and can assist with reviving stale economies. Business visionaries are in many cases the first to face challenges and put resources into quite a while and advances, bringing about new items and administrations that benefit the more extensive economy.

Business likewise assists with producing position, as new organizations expect labor supply to run them. This assists with lessening joblessness and give valuable open doors to the individuals who may some way or another not be able to look for employment. Also, business can assist with reviving existing organizations by giving them novel thoughts and advancements.

Nonetheless, business venture isn't without its difficulties. It is an unsafe endeavor and numerous business visionaries bomb in their endeavors to make a fruitful business. Furthermore, it tends to be challenging to get to the assets and financing expected to get a business going.

In spite of these difficulties, business stays a significant piece of the cutting edge economy. It gives incalculable open doors to people to make their own organizations and add to financial development. It likewise sets out work open doors and assists with renewing existing organizations. Consequently, it is critical to help and urge business venture to help the economy and society all in all.

A lot more models as this one was given by sir which made sense of things much better. Imagination, development and advancement are at the core of business venture. This is where every individual who needs to fabricate an advancement thinks past the container. The ideas they banter are profoundly creative, and the item they produce is unique available. New companies are viewed as a vehicle to bring development into the market. FAANG is an abbreviation that represents Facebook Apple Amazon Google. This point bewilders me since it incorporates all of the most notable and popular applications. The other issue is that these

applications' originators are business people since they constructed their own applications and saw them become an overall hit.

### STUDENT'S WELFARE:

Student welfare is an important component of any educational institution. It is important to ensure that students have the best possible support and resources to enable them to learn and grow in their educational environment. Student welfare is a term used to describe the overall health, safety, and wellbeing of students in any educational setting. It can refer to the physical, psychological, social, and emotional wellbeing of students and the resources available to them.

Student welfare encompasses a wide range of services and resources to assist students in developing the skills and attitudes necessary for successful learning. This includes providing appropriate physical and mental health services, offering educational and career guidance, and providing counseling services. It also includes providing a safe and supportive learning environment, protecting students from discrimination and abuse, and providing access to financial aid and other resources.

Student welfare is a key priority for educational institutions, as it is essential for students to be able to learn, grow, and become productive members of society. It is also important to ensure that students have access to the resources they need to succeed academically and socially. For this reason, educational institutions are responsible for providing a range of services and resources to support the wellbeing of their students.

One of the most important aspects of student welfare is the provision of physical and mental health services. It is essential for students to be able to access the resources and support they need to maintain their physical and mental health. This includes providing access to physical and mental health professionals, such as doctors, counselors, and therapists, as well as providing resources for mental health and wellness education. It is also important to ensure that students have access to resources such as support groups, peer support, and crisis intervention services.

Another important aspect of student welfare is providing access to educational and career guidance. It is important for students to have access to resources that can help them make informed decisions about their academic and professional future. This includes providing information about educational and career pathways, as well as providing resources and guidance on topics such as student debt, career planning, and job search strategies.

Finally, it is important to provide access to counseling services. Counseling can provide students with the necessary support and guidance to help them manage their mental health, cope with difficult situations and emotions, and develop effective communication and problem-solving skills. It is important for educational institutions to provide access to counseling services, as it can help students to develop the skills and attitudes necessary for successful learning and to become productive members of society.

In conclusion, student welfare is an important component of any educational institution. It is essential for educational institutions to provide access to the resources and services necessary to ensure the wellbeing of their students. This includes providing physical and mental health services, offering educational and career guidance, and providing counseling services. By providing access to these resources, educational institutions can ensure that their students have the best possible support and resources to enable them to learn and grow in their educational environment.

A profound clarification about the number and kinds of clubs and parts in VIT was given by the Asst. Overseer of Understudies' Government assistance. Here is the insights about the clubs and parts at VIT:

#### 1) Students Clubs (100+ Clubs)

Student clubs are an important part of a college experience. They provide a great way for students to build relationships, learn leadership skills, and get involved in activities that interest them. Student clubs can range from academic to social, and each one offers unique benefits.

Academic clubs give students the opportunity to increase their knowledge and skills in a particular subject area. These clubs often have events, such as guest lectures and workshops, which allows students to gain valuable insights into their field of study. Academic clubs also provide a great way to network with professionals in the field, as well as build relationships with other students who have similar interests.

Social clubs provide a great way for students to make new friends and build relationships. These clubs often host events and activities, such as movie nights and group outings, which allow students to get to know each other better. Social clubs also provide an opportunity for students to learn about different cultures and make connections with people from different backgrounds.

Leadership clubs provide an opportunity for students to develop their leadership skills. These clubs often have events such as team-building activities, public speaking competitions, and volunteer opportunities. This allows students to gain experience leading a team and communicating effectively with others. Leadership clubs also provide a great way for students to build their resumes and stand out from the crowd when applying for jobs.

Service clubs are a great way for students to give back to their community. These clubs often have volunteer opportunities, such as working with local charities or helping out at community events. Service clubs provide a great way for students to gain valuable skills, such as communication, problem-solving, and organization, as well as make a positive impact in their community.

Cultural clubs are a great way for students to learn about different cultures and experiences. These clubs often have events such as guest speakers and cultural festivals, which helps students gain a better understanding of different cultures. Cultural clubs also provide a great way for students to build relationships with people from diverse backgrounds.

Finally, student clubs provide a great way for students to have fun. These clubs often host events such as movie nights, game nights, and parties, which allow students to let loose and have a good time.

Overall, student clubs provide a great opportunity for students to develop their skills, build relationships, and have fun. Student clubs are a great way for students to get involved on campus and make the most out of their college experience. The clubs here at VIT suits everyone's enthusiasms and fits everyone on campus. VIT is enhanced with many such clubs.

These clubs help students cultivate leadership and team-building skills. These clubs are responsible for the never-ending stream of liveliness and events that happen in our college. Name technical, artistic, research-oriented or public speaking, everything and everyone is satisfied here.

- Arts and cultural – 21 Clubs
- Technology and related fields – 30 Clubs
- Social Outreach – 19 Clubs
- Health And Wellness – 12 Clubs
- Literature – 15 Clubs

## 2) Student Chapters (50+ Chapters)

Student chapters are an integral part of college life in the United States. They provide a platform for students to engage in activities and discussions that are relevant to their academic pursuits and interests. Student chapters are typically established by universities, organizations, and associations in order to promote student involvement and networking opportunities. In essence, they are like mini-communities within the larger university setting.

Student chapters are a great way for students to get involved in their college campus. They allow students to participate in various activities and programs that are related to their studies, allowing them to gain valuable experience and knowledge. Student chapters also provide a great opportunity for students to meet and build relationships with fellow students

who share similar interests and goals. This can be an extremely beneficial way for students to build their professional networks and gain career advice.

Student chapters typically organize a variety of events and programs that are relevant to their members. These can range from educational lectures, seminars, and symposia to social events such as parties, community service projects, and field trips. The activities and events organized by student chapters are often reflective of the interests of the student body and can be a great way for students to learn more about their peers and the world around them.

Student chapters also provide students with a platform to express their opinions and share their experiences with their peers. By attending student chapter events, students can get involved in meaningful conversations and debates, allowing them to gain a deeper understanding of the issues they are discussing. Furthermore, student chapters often provide students with opportunities to volunteer and take part in meaningful causes that are important to them.

In addition to their educational and social benefits, student chapters are also an excellent way for students to build their resumes. Participating in student chapters can give students the opportunity to demonstrate their leadership skills, organizational abilities, and interpersonal skills, which can be extremely beneficial in the job market. Furthermore, student chapters often have connections with various employers, allowing students to gain exposure to potential job opportunities.

In conclusion, student chapters are an invaluable part of college life. They provide students with a platform to engage in meaningful discussions, meet and build relationships with their peers, and gain valuable experience and knowledge. Furthermore, student chapters are a great way for students to build their resumes and gain exposure to potential job opportunities. With so much to offer, student chapters are an invaluable resource for college students.

Numerous dynamic sections keep the understudies charmed in participating in exercises over time. The sections have a few colleges and schools underneath them and this makes an understudy network halting at no lines. Such collaboration assists understudies with building a proficient organization, yet in addition moreover works with them in learning new things.

- Indian Societies – 15 Chapters
- International Societies – 25 Chapters
- IEEE Chapters – 17 Chapters

3)Creative Lab Teams (20+ Teams)

4)Regular Events for Regional Festivals are conducted

### STUDENT ABROAD PROGRAM:

Student abroad programmes are becoming increasingly popular among students around the world. These programmes provide students with an opportunity to experience a new culture, explore a new country, and gain valuable skills and knowledge that they can use in their future studies and careers.

Student abroad programmes are designed to help students gain hands-on experience in a foreign culture, while also providing an enriching educational experience. Students can choose from a variety of programmes, such as study abroad programmes, internships, volunteer programmes, and language courses. The programmes are generally offered in the summer months when students have more free time, and they vary in length from a few weeks to over a year.

Benefits of student abroad programmes include the chance to gain international experience, improve language skills, learn about different cultures, and develop intercultural competence. Students also have the opportunity to build connections with people from different countries and backgrounds, which can open up new career opportunities.

When planning to participate in a student abroad programme, there are several things to consider. First, students should research the programme and make sure it is a good fit for them. They should consider their academic interests, budget, and available time. Next, students should apply for the programme and obtain a visa, if necessary. Once accepted, students should create a budget and plan their travel arrangements.

Once in the host country, students should be open to new experiences and make the most of the opportunity. This includes trying new foods, visiting local attractions, and interacting with local people. Students should also take advantage of any academic and cultural activities offered by the programme, such as language classes, excursions, and lectures.

At the end of the programme, students should take the time to reflect on their experiences and document what they have learned. This could include writing a blog, creating a scrapbook, or creating a portfolio with photographs and other materials.

Student abroad programmes provide students with a unique opportunity to gain international experience and develop intercultural competence. By taking the time to plan and research the programmes, students can ensure they make the most of their experience. With the right attitude and preparation, students can have an unforgettable experience that will benefit them for years to come.

Internationalization helps students get much exposure and gives the opportunity to view themselves and their culture in new ways. It helps students become confident and understand people's opinion in different parts of the world. Internationalization in a university is a process integrating an international, intercultural or global dimension into the goals purpose, functions and delivery of higher education. VIT has over 300+ partner universities across the globe. VIT has International Transfer Program (ITP) for their students to study in USA, UK, EUROPE, AUSTRALIA, CHINA, AFRICA and many more. VIT offers internship for students in abroad universities. VIT has partnered with:

- 24 Universities in North America



- 17 Universities in South America
- 40 Universities in Europe
- 11 Universities in Africa
- 9 Universities in Australia
- 96 Universities in Asia and many more....

#### CULTURAL EVENTS, ORGANIZED BY SENIORS OF VIT VELLORE:

For many students, college is a time of exploration and discovery. From the academic environment to the social one, college can often provide students with the opportunity to learn about new cultures, ideas and activities. College cultural events are a great way for students to take part in this exploration and become more acquainted with the world around them.

College cultural events showcase different forms of art, music, theatre and dance. They serve as an introduction to the culture of a different region or country, as well as an opportunity to learn about other cultures. Through the various performances and activities featured at college cultural events, students gain exposure to the rich cultural heritage of different countries and regions. This can help them become more aware and appreciative of the diverse cultures that exist in the world.

In addition to providing exposure to different cultures, college cultural events can be an excellent way to help students develop their social skills. By participating in cultural events, students are able to interact with people from different backgrounds, which can help them build confidence and become more comfortable in social situations. This can be especially beneficial for students who are new to college or who do not have the opportunity to travel abroad.

College cultural events also provide students with the opportunity to develop their leadership skills. Many events involve organizing, promoting, and running activities, which

can help students learn how to work with others and develop their ability to lead. This is especially important for those who plan to pursue leadership roles in the future.

Finally, college cultural events can be a great way to have fun and make lasting memories. By participating in cultural events, students are able to explore and enjoy the different cultures and activities featured at the event. This can be a great way to make friends, bond with classmates, and create lasting memories.

Overall, college cultural events are an important part of a student's education. They provide students with the opportunity to explore different cultures, develop their social skills, and even practice their leadership skills. Additionally, they can be a great way to have fun and make lasting memories. For these reasons, college cultural events should be considered an essential component of any student's education.

In this meeting seniors have coordinated widespread developments to revive the freshers. Seniors portrayed the different clubs and parts at VIT Vellore. A breathtaking grandstand of dance and music were coordinated by our seniors. What's more, the tunes played during the meeting were phenomenal. The way that there was both western and traditional music in plain view informed me about variety at VIT Vellore. Since numerous people from various segments of the country are playing out their local language melodies or a western tune, it shows the school's variety. Another component worth focusing on is that the outfit coordination for the exhibitions matched the tunes performed, which expanded our energy and interest in the exercises.

A college education is much more than gaining knowledge from textbooks; it is an opportunity to become an active member of a larger community and to explore a variety of cultures. College cultural events are an important part of this experience, offering students the chance to learn about other cultures and to discover new ways of seeing the world. Events organized by seniors can be particularly beneficial, as they provide an opportunity for students to gain insight into the culture of their peers and to learn from their example.

College cultural events are a great way to help students explore and experience different cultures. They can provide students with the opportunity to learn about the traditions and customs of different cultures, as well as to see how different cultures interact with one another. Through these events, seniors can demonstrate to younger students the importance of respecting different cultures and of understanding the perspectives of people from all backgrounds. This type of knowledge and understanding can be invaluable for students seeking to become engaged citizens in their communities.

Cultural events can also be a great way to break down the barriers that can exist between students of different backgrounds. By organizing events that bring students of all backgrounds together, seniors can help create an atmosphere of understanding and acceptance. These events can also be a platform for meaningful dialogue and a chance to discuss the issues that are important to students. This type of dialogue can help foster a sense of unity among students and can also help create an atmosphere of trust and respect.

Lastly, cultural events can serve as a great way for seniors to demonstrate leadership. By organizing events that bring students of all backgrounds together, seniors can show their commitment to creating a more inclusive and diverse campus. This type of leadership can serve as an inspiration for younger students and can help create a stronger sense of community. As the leaders of their college, seniors have the unique opportunity to shape the culture of their college and to help create a more vibrant and diverse campus environment.

College cultural events organized by seniors can be a great way for students to explore different cultures and to build meaningful relationships with their peers. These events can provide students with the opportunity to learn about different cultures, to foster understanding and acceptance, and to develop leadership skills. By participating in and organizing these types of events, seniors can help create a more inclusive and diverse campus and can help ensure that all students have the opportunity to benefit from the advantages of a college education.

## ACADEMICS

- Academic Cycle:

1. Start of Fall Semester of the academic year
2. CAT 1 and CAT 2 takes place (CAT – Continuous Assessment Test)
3. FAT takes place (FAT – Final Assessment Test)
4. End of Fall Semester of the academic year
5. Start of Winter Semester of the academic year
6. CAT 1 and CAT 2 takes place (CAT – Continuous Assessment Test)
7. FAT takes place (FAT – Final Assessment Test)
8. End of Winter Semester of the academic year 12
9. End of that academic year

- This cycle continues for the next consecutive years until you finish your B.Tech degree.

- Every academic year has two semesters (Fall semester and Winter semester). Optional semester are also available for students.

- Assessments:

- A. Mandatory (Theory and Laboratory Courses):

- Continuous Assessment Tests for Theory Courses.
- Assignments / Quiz for theory Courses.
- Continuous Evaluation for Laboratory Courses.
- Final Assessment Test for both Theory and Laboratory Courses.
- Weightage for Internal and Final Tests: 60 – 40.

- B. Mandatory (Project Courses):

- Three reviews with weightage of 20:30:50

- C. The Pass Criterion:

- There are no pass marks in the internals.
- You need 40% minimum in FAT to pass the semester.
- You need 50% minimum in (FAT + Internals) to pass the semester.

- D. Meaning of 'F' Grade:

- Fails to clear the individual component in FAT.
- Sum of CAT marks and FAT marks is less than 50 out of 100, when considering all the components of the course.

- E. Meaning of 'N' Grade:

- The sum of all the assessment (with or without FAT) of a component is less than 50 out of 100.
- Debarred due to lack of attendance.
- Absent for FAT.
- Debarred due to act of indiscipline / malpractice.

F. What if a student fails to clear a course?

- Re-register for the course component in the subsequent semesters.
- Not necessary to redo the entire course.
- There will be no arrear examinations.

G. Transparency in Evaluation:

➤ For internals:

- Answer scripts are shared and if the student is not satisfied with the evaluation, then there will be one-on-one discussion with the faculty.

➤ For FAT:

- Answer scripts are shared (on request) and if the student is not satisfied with the evaluation, the revaluation can be requested and the revaluation is done.

H. Grading Methods:

- Grading methodology is dependent on the nature of the course and class strength.
- Cumulative performance is graded. A few of the courses are graded absolutely and many others relatively.
- Additional Learning Opportunities Available:
  - Min – Max Credit Registration.
  - Course Substitution.
  - Minors.
  - Honours.
  - Grade Improvement

- Exam Calendar (for 1st semester):
  - CAT 1 ----- 11th October 2022 to 17th October 2022.
  - CAT 2 ----- 12th December 2022 to 17th December 2022
  - FAT ----- From 30th January 2023 (tentatively).
- (1) Continuous Assessment Test 1 (CAT 1):
  - 75% Attendance is mandatory (from the date of registration into course till one day before CAT1).
  - 80% of Higher Order Thinking (HOT) Questions.
  - Total marks: 50 (Weightage: 15%)
  - Exam duration: 1.5 hours
  - If online, Total marks: 30 (Weightage: 15%) and Exam duration: 1 hour.
- (2) Continuous Assessment Test 2 (CAT 2):
  - 75% Attendance is mandatory (from the date of registration into course till one day before CAT2).
  - 100% of Higher Order Thinking (HOT) Questions.
  - OPEN BOOK EXAMINATION.
  - Total marks: 50 (Weightage: 15%)
  - Exam duration: 1.5 hours
  - If online, Total marks: 30 (Weightage: 15%) and Exam duration: 1 hour.
- (3) Final Assessment Test (FAT):
  - 75% Attendance is mandatory (from the date of registration into course till the last instructional day).
  - Total marks: 100 (Weightage: 40%)
  - Exam duration: 3 hours
  - If online, Total marks: 60 (Weightage: 40%) and Exam duration: 2 hours.
- From the above we can see that the weightage of CAT 1, CAT 2 and FAT (15%, 15%, 40%) totally only contribute 70%, the remaining weightage of 30% for Digital Assignments, Quiz components as specified by course handling faculty.
- Some points to be followed during Examinations:
  - Cell phones, Electronic Gadgets are not permitted inside the exam hall.
  - For CAT 2 examination, students are permitted to take only xerox / book / written / printout material inside exam hall.

- Students having CGPA of 9 or above and with no current backlog courses are exempted from the minimum attendance requirement.
- Exam timings and slot details for CAT 1, CAT 2 and FAT will be released one week before the start of the examination.
- Exam venue and seating details will be displayed one or two days before the exam date. Students can view this information in their V-Top login.
- Based on their list of subjects and the slot in which they are learning these subjects, they need to note down the exam date and time.

## PROCTOR

- ❖ Proctor is a solitary resource for your concerns and any requirements.
- ❖ Proctor would help the understudies in recognizing the courses in light of program necessities, course requirements, understudy's capacity and interest in different scholarly disciplines.
- ❖ Exhort understudies on enlisting courses according to educational plan.
- ❖ Examine with understudy in regards to their performance during the past semester(s) and afterward conclude the number and nature of courses the understudy can enlist during a resulting semester.
- ❖ Proctor will survey your scholastic exhibition occasionally, i.e., After Feline 1, After Feline 2 and After FAT outcomes.

Things to be done by the proctee:

- ❖ Save the contact number of your proctor.
- ❖ Updating the student / parents phone numbers only through proctor.
- ❖ Discuss your issues and get the solution from proctor.
- ❖ You should meet your proctor on every Wednesday of first week of every month between 11 a.m. and 1 p.m. [MANDATORY].
- ❖ Leave request in VTOP software should be given before 24 hours.
- ❖ Leave can be approved only after proctor verification and due consultation with parents.
- ❖ 75% attendance is mandatory.
- ❖ The other 25% includes all types of leave including medical leave.

## COUNSELLING DEPARTMENT IN VIT:

- \* You are more important than you realize. Everyone in this world have a purpose to live and so do you.

- ✧ VIT's counselling team's mission is to improve and enhance the mental health of each and every student in the campus.
- ✧ During this pandemic you might have found a lot of people having depression, anxiety, existential crisis and many more, all of these could disturb your lifestyle in many unknown ways. Therefore, VIT always tries its best to enhance student's mental health.
- ✧ Your lifetime in university will be your best time in life but along with this comes so much underlying pressure which needs to be handled then and there.
- ✧ If we take care of our problems then and there, then there will no pressure which will again not lead worry, which will not lead to fear and which will ultimately will not lead you to stress. This is how you overcome stress.
- ✧ It's not always easy to cope with a new environment all of a sudden, so if you ever feel lonely, the counsellors at VIT will always be there to help you out.
- ✧ There is committee for who student counselling who will be available almost all the time and the information you share with them is always confidential.
- ✧ Stress may come from academics, relationships, family problems and many other ways, but we are supposed to come out these hard times, which might be difficult but the Counselling committee is there to guide you out.
- ✧ The Counselling committee is professionally trained and they can pretty much handle any situation and would give you solutions for your problems

#### LEARNING DURING THE SCHOOL LEVEL INDUCTION PROGRAM:

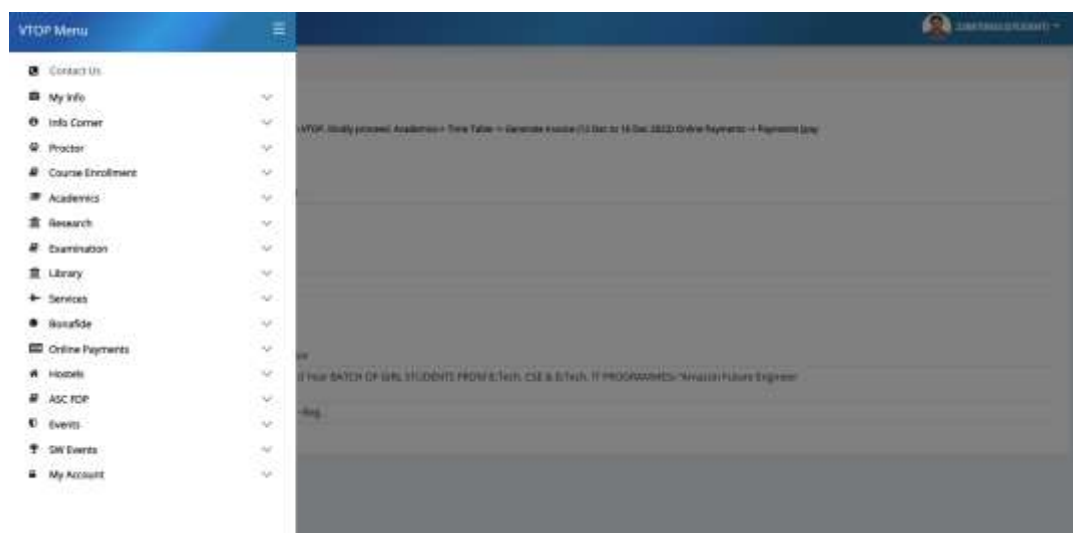
The program that I have taken in VIT Vellore is CSE (Software engineering and designing) thus, I'm relegated to the Degree school which represents School of Software engineering and designing. Thus, in this meeting, we heard from the HOD (Head of Division) and the Year Organizer about the course's presentation. They expressed that in the principal year, we will concentrate on courses like Physical science, Science, and Math and as well as a few essential electronic ideas. We were likewise informed that we would have lab courses all the while for similar subjects. Besides that, they tended to our requests with respect to the school. For instance, what is the foundation's statement of purpose? The VIT staffs presented themselves and expressed that a portion of the understudies will be relegated to one of the delegates. These delegates are expected to be accessible consistently during school hours to



help us with any worries or questions we might have. In this discussion, there was a ton of talk concerning VTOP, including computerized tasks, bearings, delegate's subtleties, HOD, lodging leave, Test Timetable, English Capability Test and year organizer subtleties. That website page contains the standards as a whole and guidelines. They said that each understudy has been relegated under a delegate who might direct all through our scholarly life. They said that each Wednesday, the understudies who are all doled out with a similar delegate would need to meet them and is required. The program went on for certain exhibitions which were ready by different clubs in VIT to invite the freshers. There were exhibitions from the music club, dance club and some more. We likewise had freshers' execution in which a portion of the main year understudies chipped in and were approached to come to stage to do a few explicit errands like playing a game or moving.

#### LEARNING FROM THE INSTITUTIONAL WEBSITE:

- VIT has its own website that is accessible to both students and parents.
- VTOP stands for VIT on TOP
- VTOP has various sections which have their own importance for a student.
- Some of those important sections are:
  1. Proctor
  2. Academics in which some of the important sections are:
    - a) Class Messages
    - b) My Curriculum
    - c) Time Table
    - d) Course Option Change
    - e) Course Withdraw
    - f) Course Page
    - g) Industrial Internship
    - h) Project
    - i) Digital Assignment Upload
    - j) Academics Calendar
  3. Research
  4. Examination
  5. Hostels
  6. Services
  7. Late hour Permission
  8. Leave request



VTOP Menu

Academics

- HOD and Dean Info
- Faculty Info
- Course Feedback 24x7
- Class Messages
- Regulation
- My Curriculum
- Minor/ Honour
- Time Table
- Course Option Change
- Course Withdraw
- Class Attendance
- Course Page
- Industrial Internship
- Project
- Digital Assignment Upload
- QCM View
- SET Conference Registration
- Co-Extra Curricular
- Academics Calendar
- Registration Schedule & Allocation

## INTRODUCTION TO USEFUL SOFTWARE APPLICATIONS DEVELOPED BY SENIORS:

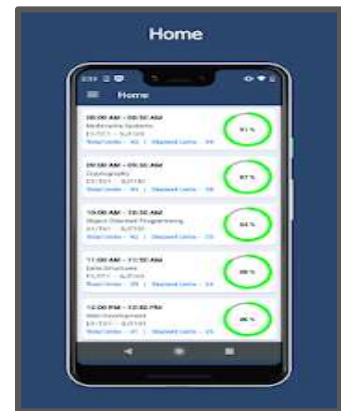


*VITNAV:*

This application is useful for navigation within the institution.  
This application is further connected with google maps to provide the more accurate results.

*VITIAN:*

This application is an app version of the vtop website even though it is not the same as the web version like we can't upload documents in that app but it is useful because it has a better interface for the class attendance Tracking than that of the VTOP webpage.



*VITTY:*

It is a time table management application.  
It is used to keep track of the classes held every day.  
it not only tracks our classes but also keeps track of the slot and place of the classes.

*MESSIT:*

It is used to track the menu available in the mess every day.  
It is very useful for the hostellers.



## HOSTEL:

Hostels are a great way of connecting to the local culture and meeting new people while traveling. Hostels can provide travelers with a safe, comfortable, and affordable place to stay while they explore new places. They offer a unique atmosphere and a range of amenities, from shared kitchen and living spaces to tours, activities, and social events.

Hostels are the perfect place for backpackers and budget-minded travelers who are looking for a more social and interactive accommodation option. They typically provide dormitory-style rooms with bunk beds, allowing for multiple people to stay in one room. Many hostels also offer private rooms and family rooms, making them a great choice for families and couples as well.

Hostels often provide other amenities to make your stay more enjoyable, like shared kitchens and communal living areas. These shared spaces are great for meeting new people, as they often provide a great opportunity to socialize and make new friends. In addition, many hostels provide a range of services and activities to help travelers make the most of their stay, such as tours, bike rentals, and even pub crawls.

The prices of hostels are typically much lower than other forms of accommodation. This can make them a great choice for budget-minded travelers, as they can often save money on their accommodation costs. Hostels also often provide discounts for longer stays and group bookings, making them an even more economical choice for travelers.

The atmosphere of a hostel is what makes them so special. The relaxed and social atmosphere of a hostel is often a great way to get to know the locals and learn more about the culture. Hostels often provide a great opportunity to meet other travelers from around the world, making them a great choice for solo travelers who are looking for companionship.

Hostels provide a great way to experience a new place while staying on a budget. They offer a unique atmosphere, a range of amenities, and a great opportunity to meet and socialize with other travelers. For backpackers and budget-minded travelers, hostels are a great choice for an unforgettable travel experience.

Hostel life is the most thrilling and significant piece of understudy life for some. It is when understudies figure out how to live autonomously and grasp the significance of sharing

and mindful. Lodging life is altogether different from home life and it shows understudies numerous significant illustrations.

An inn is where understudies can remain during their examinations, normally given by the school or college. It gives fundamental offices like a bed, a storage, and a review table. Be that as it may, something other than giving a spot to rest, it is a position of learning and development for understudies.

The main thing about inn life is that it permits understudies to collaborate with understudies from various foundations and societies. This assists them with learning new points of view and to turn out to be more open minded. It likewise assists them with understanding the significance of regarding others and having a solid discussion.

Inn life additionally urges understudies to be autonomous and to assume a sense of ownership with their own lives. They figure out how to deal with their time, how to be coordinated, and how to deal with their funds. This assists them with turning out to be more independent and sets them up for life after school.

Aside from the scholarly advantages, inn additionally gives understudies numerous sporting exercises. In the inn, understudies can meet new individuals and make companions, play indoor and open-air games, and participate in sports. This assists them with learning camaraderie and participation.

Inn life additionally helps understudies to be dependable and restrained. They find out no time like the present administration, the significance of observing guidelines and guidelines, and the results of not doing as such. This assists them with understanding the significance of observing guidelines in any event, when nobody is watching, and it sets them up for the work environment.

The last however not minimal advantage of inn life is that it assists understudies with fostering their interactive abilities. Inn life is the ideal spot to acquire relational abilities, authority abilities, and critical thinking abilities. These abilities are fundamental for their future professions and will assist them with finding success throughout everyday life.

To summarize, inn life has many advantages and it is a significant piece of understudy life. It furnishes understudies with the potential chance to learn and develop, to meet new individuals, and to acquire significant fundamental abilities. Lodging life is certainly an encounter that understudies will esteem until the end of their lives.

A home away from home, the hostels at VIT is more than four walls and a roof. They have been designed to provide a comfortable, safe, inclusive and secure living even as they provide opportunities to form lasting friendships and ease the transition from home to college. Residential staff is always available to support the students from different backgrounds to promote community. Living on campus provides students with opportunities to:

- \* Connect with a diverse population of people
- \* Develop stronger interpersonal and communication skills
- \* Engage in campus leadership, organizations and activities
- \* Establish relationships with faculty and staff members

Hostel review committee meetings are conducted once in 15 days by the hostel administrators to address students' queries and requirements, and to keep them updated on upgradation of services and events. Students are also given the privilege to give suggestions to improve the hostel facilities.

## **DINING:**

A spacious Visitors' Lounge has recently been added for the benefit of visiting parents/guardians, supplementing the residential guest house facilities available. The spotlessly maintained and spacious vegetarian and non-vegetarian dining halls in the hostels serve wholesome, nutritious food with the help of a unique steam cooking facility. Foreign students can also choose from a limited list of special food items. A Chinese mess is functioning separately.

For those who want to try out different cuisines, a variety of hygienic food facilities are available on campus. A popular eating spot is the 600 square meters Food Court, that serves delicious non-vegetarian and vegetarian food at reasonable prices. Fast food outlets are also attached to both the Men's and Women's Hostels.

## **FOOD:**

Healthy, wholesome food and a variety of dining options are available to the hostel students. Given the great diversity of tastes and cultures, students have access to multi-cuisine catering services that serves vegetarian, non-vegetarian, Indian and International food. Students can also choose and order from a limited list of special dishes available on prior registration at the Restaurant-style Mess. Dining areas are open as early as 7:00 AM with night canteens available from 10:30 PM to 12:30 AM. The kitchens are hygienically operated and adhere to the prescribed food standards. A balanced menu is prepared every month by the Student Mess and Menu Committee in consultation with the hostel administrators.

## **EVENTS:**

Diverse events are periodically organized within the hostels to help the residents unwind, network, exhibit their talents and volunteer with the communities they live and study. To name a few, weekend movie screenings, DJ nights, cultural and sports competitive events are made available for residents to have a memorable hostel life. There are regular visits to old age homes and children's homes. Workshops on Self-Defense and special lectures are regularly hosted in the hostels.

## INITIAL LEARNINGS AND OPPORTUNITIES FOR SELF-DEVELOPMENT:

### *STRESS MANAGEMENT:*

Stress can be an unavoidable part of life. It is a natural and normal reaction to challenging situations. It can be beneficial at times, as it can motivate us to take action and to make necessary changes in our life. However, when stress becomes chronic or overwhelming, it can become unhealthy and lead to physical and mental health problems. Fortunately, there are strategies available to help manage stress and reduce its negative effects.

The first step to managing stress is to identify the sources of stress in your life. Common sources of stress include work or school, family relationships, finances, health, and daily hassles. Once sources of stress have been identified, the next step is to find ways to reduce or manage them. For example, if work or school is a source of stress, it may be helpful to set realistic expectations for yourself and to prioritize tasks. If family relationships are a source of stress, it may be helpful to practice good communication and conflict resolution skills.

In addition to identifying and managing sources of stress, there are also many lifestyle changes that can be helpful in managing stress. These include getting enough rest and sleep, eating a balanced diet, exercising regularly, and taking time for relaxation and leisure activities. It is also important to practice healthy coping skills when faced with stressful situations. These skills can include problem-solving, deep breathing, positive self-talk, and relaxation techniques such as progressive muscle relaxation and guided imagery.

Another important part of managing stress is to develop a support system. It is important to have people in your life that you can talk to and turn to for support. It can also be helpful to seek professional help if needed. A qualified therapist or counselor can provide additional help and resources to help you manage stress in healthy ways.



Finally, it is important to remember that it is normal to feel stress at times. Stress is a natural response to challenging or difficult situations. However, it is important to remember that it is possible to manage stress in healthy ways. By identifying sources of stress and developing healthy coping strategies, it is possible to reduce the negative effects of stress and lead a healthier and more fulfilling life.

Empathy is one of the tools that may be used to assist people cope with stress. When one is stressed, simply empathizing with someone who is worried or depressed can make the stressed person feel better by assuring them that they are not alone. Whenever someone is having a problem, they should seek advice from a counsellor. The counsellors have a wealth of expertise, which can assist us in finding solutions to various difficulties.

We tend to disregard our self-development, self-worth, and lose focus on our life objectives, academic life, and relationships in a technology-driven environment.

Building the appropriate perception about anything by understanding the "What," "How," and "Why" about it is one technique to deal with stress in the long run. We must also never hope for a grin without first understanding the difficulty. Never make a comparison between what we see on the internet and what we see in real life.

### *TIME MANAGEMENT:*

Time management is a significant ability that everybody ought to have. It is the capacity to focus on undertakings and ensure they are finished proficiently and successfully. By dealing with your time carefully, you can increment efficiency, diminish pressure, and work on by and large personal satisfaction.

Using time effectively is tied in with capitalizing on your time. It includes defining objectives and creating systems to achieve them. It's tied in with requiring charge of your investment and ensuring that you are utilizing it carefully. It's tied in with being aware of how you utilize your time and ensuring that you are zeroing in on the significant errands.

The most vital phase in compelling using time productively is to comprehend the way in which you are investing your energy. Cause a rundown of the multitude of exercises that you to do consistently and note what amount of time every one requires. This will provide you with a thought of where your time is going and where you might have the option to adapt.

When you have a comprehension of how you are investing your energy, you can begin laying out objectives. These can be momentary objectives like finishing a task by a specific date or long-haul objectives like putting something aside for retirement. Laying out objectives will assist with centering your endeavors and give an internal compass.

The following stage is to make a game plan. This includes separating your objectives into reasonable assignments and afterward planning them into your day. It is critical to be sensible and to consider any potential impediments that might emerge. You ought to likewise calculate breaks for rest and unwinding.

To guarantee that you are adhering to your arrangement, you ought to utilize a period global positioning framework. This could be an application on your telephone or a work area program. This will assist you with monitoring how long you are spending on each undertaking.

At long last, you ought to audit your advancement routinely. This will permit you to change your arrangement if important and ensure that you are meeting your objectives.

Using time effectively is an expertise that can be improved with training. The key is to remain coordinated and zeroed in on what is significant. With the right procedures and devices, you can deal with your time all the more successfully and accomplish more significantly quicker.

Procrastination is quite widespread, particularly among teenagers. Many people have the difficulty of working hard and achieve zero productivity. Working smart rather than hard is more crucial in today's world. Nowadays, it is quite easy to become distracted by social media. Hence, to deal with such issues, one must manage his/her time very well. To manage time well, one must be productive. To be productive one must stay away from social media for long hours since they are distracting. One must have good sleep, increase tolerance for boring things. Difficult work is usually the reason for lack of productivity. Meditating can often help to increase patience for difficult work.

To be more productive one can, make list of everything they are responsible for in work, prioritize their work, take three tasks and rank them.

### *PERSONALITY DEVELOPMENT:*

Personality development is the process by which individuals come to understand and express their unique personalities. It is a lifelong process that begins during childhood and continues throughout adulthood. Personality development involves elements of self-awareness, self-reflection, and self-expression. It involves the development of an individual's sense of identity and an understanding of how their traits and behaviors affect those around them.

Personality development involves two important components. The first is the development of the individual's personality, which includes the development of traits such as self-confidence, assertiveness, empathy, and problem-solving abilities. The second component involves the development of interpersonal skills, which enable individuals to effectively interact with others, build relationships and manage conflict.

Personality development is a multifaceted process that involves a variety of influences. Biological, psychological, and environmental influences all have an impact on the development of an individual's personality. Genetic influences, such as temperament, set the stage for how an individual will express themselves. Psychological influences, such as early childhood experiences, shape the way an individual interprets and responds to the world around them. Finally, environmental influences, such as family, peers, and culture, play a role in influencing how an individual expresses themselves.

The development of an individual's personality is a complex process that begins in childhood and continues throughout adulthood. During this process, individuals become increasingly aware of their own personalities and the impact their behaviors have on those around them. As individuals grow and mature, their personalities become more nuanced and refined, allowing them to better express their own identity and interact effectively with others.

Personality development is an ongoing process that can be supported by a variety of positive, healthy practices. Establishing and nurturing supportive relationships with family, friends, and mentors is an important part of this process. Positive self-talk, goal setting, and mindful living can also help individuals cultivate their unique personalities. Additionally, engaging in activities such as creative expression, sports, and music can help individuals explore and express their unique personalities.

Personality development is essential for individuals to become independent and self-reliant. It allows them to develop a sense of identity, interact with others effectively, and build meaningful relationships. As individuals become increasingly aware of their individual personalities, they can better understand themselves and how their behaviors affect those around them. In turn, this can lead to greater self-confidence, improved interpersonal skills, and more meaningful relationships.

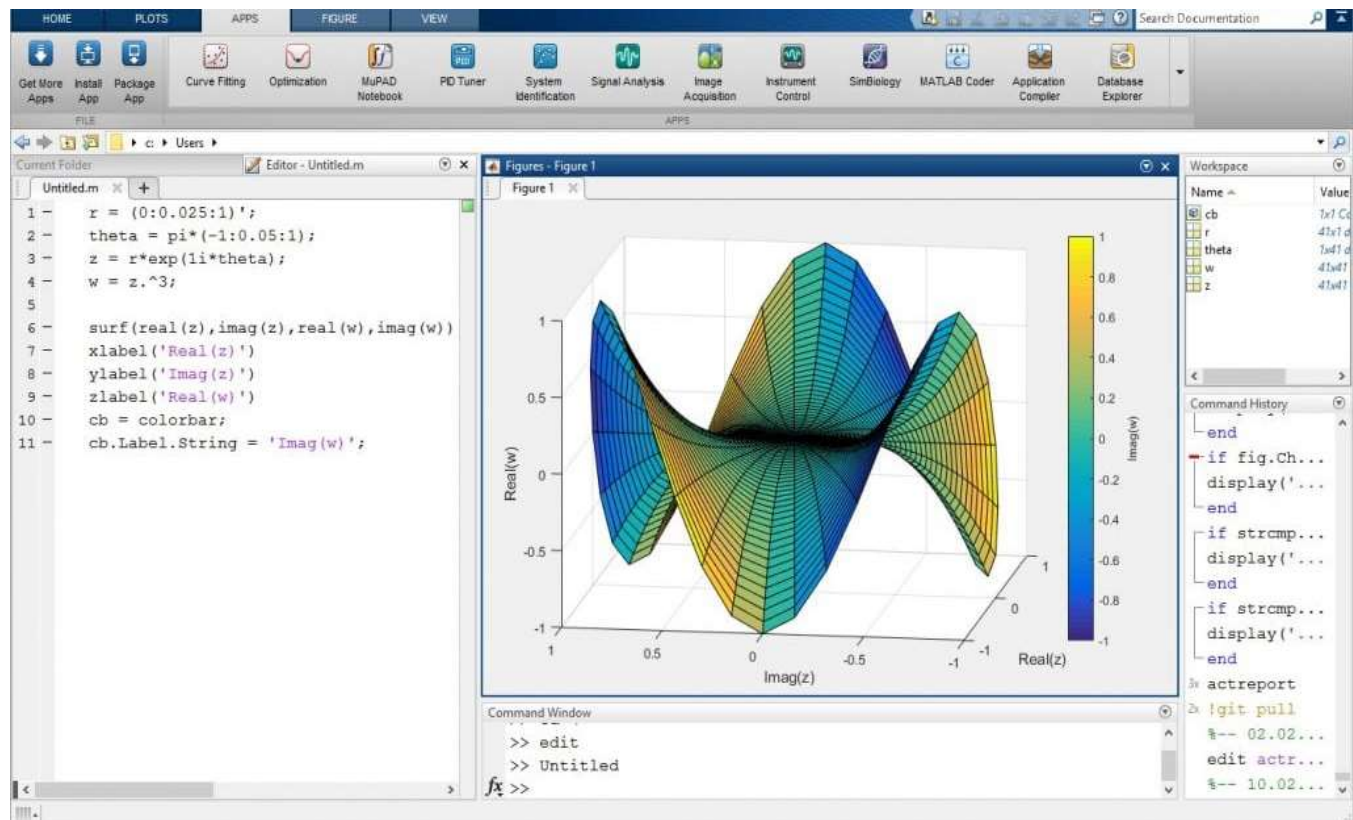
Ultimately, personality development is a lifelong process that involves a variety of influences and practices. It is essential for individuals to become aware of their own personalities and how their behaviors affect those around them. By cultivating their unique personalities, individuals can become more independent, self-reliant, and better able to build meaningful relationships.

Personality development encompasses the dynamic construction and deconstruction of integrative characteristics that distinguish an individual in terms of interpersonal behavioral traits. Personality development is ever-changing and subject to contextual factors and life-altering experiences. Personality development is also dimensional in description and subjective in nature. That is, personality development can be seen as a continuum varying in degrees of intensity and change. It is subjective in nature because its

conceptualization is rooted in social norms of expected behavior, self-expression, and personal growth. The dominant viewpoint in personality psychology indicates that personality emerges early and continues to develop across one's lifespan. Adult personality traits are believed to have a basis in infant temperament, meaning that individual differences in disposition and behavior appear early in life, potentially before language of conscious self-representation develop.

The Five Factor Model of personality maps onto the dimensions of childhood temperament. This suggests that individual differences in levels of the corresponding personality traits (neuroticism, extraversion, openness to experience, agreeableness, and conscientiousness) are present from young ages.

## LEARNING FROM THE MATLAB PROGRAMMING:



MATLAB is a programming language and environment used by engineers and scientists to design, model, and analyze complex systems. MATLAB is an abbreviation for

Matrix Laboratory and was originally developed by MathWorks, Inc. It is a high-level language and environment that is used to create and analyze advanced mathematical models and algorithms. MATLAB is an ideal choice for scientific and engineering applications, as it is easy to use, highly efficient, and provides a wide array of powerful tools.

MATLAB is a powerful tool for data analysis, visualization, and numerical computation. It is used to create and analyze mathematical models and algorithms in a wide variety of engineering and scientific fields. MATLAB is used to solve complex problems in research and engineering, such as signal processing, image processing, control systems, numerical optimization, and many other areas. MATLAB is also used in the development of graphical user interfaces, the exploration of data, and the development of algorithms.

MATLAB is a high-level language that is easy to use for both experienced and novice users. It is designed to be intuitive and user-friendly, and its syntax is similar to other popular programming languages. MATLAB also provides extensive support for data manipulation and visualization, allowing users to easily explore and visualize data. Additionally, MATLAB comes with a variety of powerful and user-friendly tools that allow users to quickly and easily create and analyze complex systems.

MATLAB is a powerful numerical computing tool that is used by engineers and scientists around the world. It is used for a wide range of tasks, including the development of algorithms, data analysis, signal processing, and graphical user interface development. MATLAB is also used in the analysis of data such as medical images and climate data, as well as in the development and testing of artificial intelligence systems.

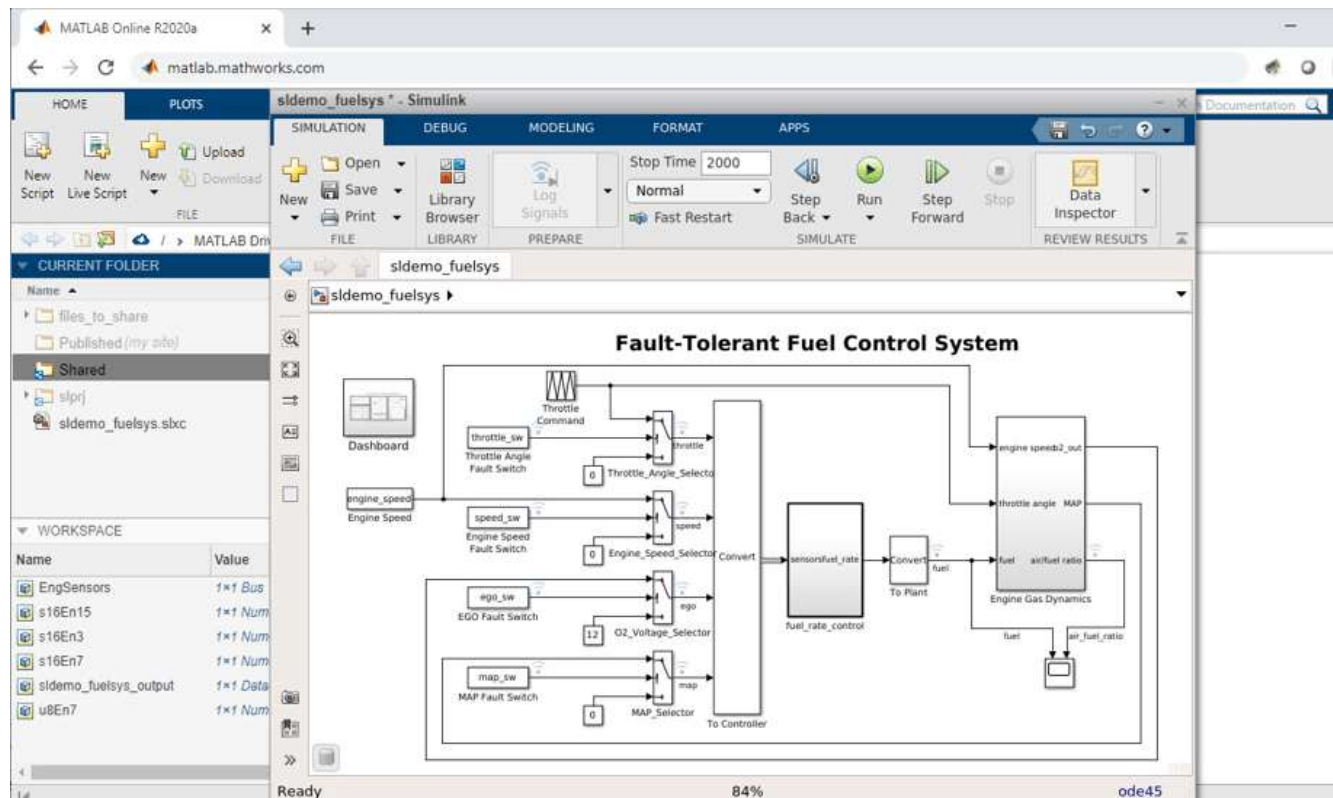
MATLAB is also used in many educational institutions around the world. It is used to teach students how to develop and analyze mathematical models, as well as to help them understand the principles behind data analysis and numerical computing. Additionally, MATLAB is used in many fields of research, such as engineering, robotics, and finance.

In conclusion, MATLAB is an incredibly powerful and user-friendly tool that is used by engineers and scientists around the world. It is used to create and analyze mathematical models and algorithms, as well as to visualize data and develop graphical user interfaces. Additionally, MATLAB is used in many educational institutions, for teaching and research purposes.

MATLAB is a programming platform designed specifically for engineers and scientists to analysis and design systems and products that transform our world. The heart of MATLAB is the MATLAB language, a matrix-based language allowing the most natural expression of computational mathematics.

Millions of engineers and scientists worldwide use MATLAB for a range of applications, in industry and academia, including deep learning and machine learning, signal processing and communications, image and video processing, control systems, test and measurement, computational finance, and computational biology.

#### LEARNING FROM THE SIMULINK PROGRAMMING:





Simulink is a graphical programming language used to model a system's behavior, simulate its dynamic performance, and analyze its behavior. It is a powerful tool for designing and simulating dynamic systems, such as automatic control systems. Simulink is used in many industries, including aerospace, automotive, consumer electronics, medical devices, and telecommunications. This essay will provide an overview of Simulink and its capabilities, as well as discuss how it is used in various industries.

Simulink is a toolbox of software designed for the modeling, simulation, and analysis of dynamic systems. It is used to model and simulate a wide variety of systems, from mechanical to electrical to biological. It is a powerful visual programming language that allows users to create and simulate complex systems with a few simple commands. Simulink allows users to quickly and easily create a model of a system and simulate its behavior in a virtual environment.

Simulink can be used to model and simulate a wide variety of systems, including mechanical, electrical, and biological systems. It is a powerful tool for designing and simulating dynamic systems, such as automatic control systems. It is used to model and simulate the behavior of a system, from the level of individual components to the entire system. Simulink can also be used to analyze the behavior of a system and optimize its design.

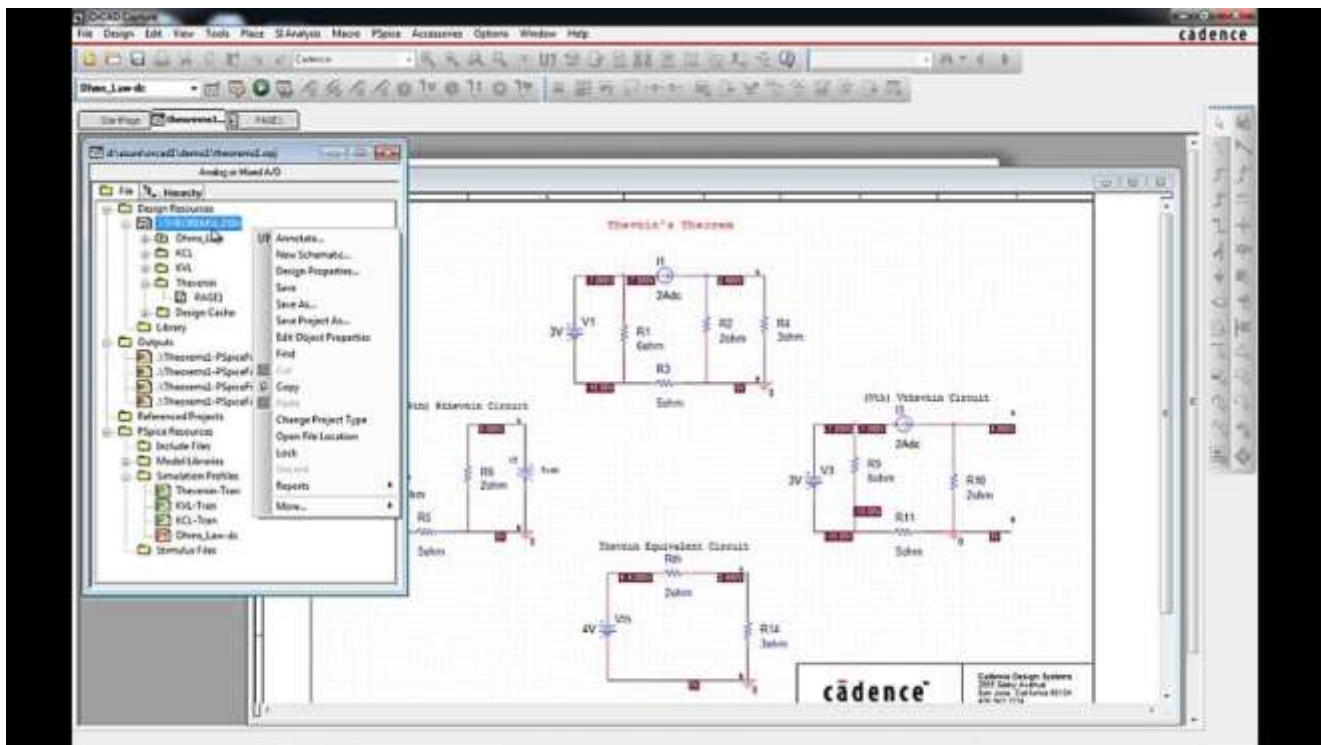
Simulink is used in various industries, including aerospace, automotive, consumer electronics, medical devices, and telecommunications. In the aerospace industry, Simulink is used to model and simulate flight control systems, aircraft control systems, and other complex systems. In the automotive industry, Simulink is used to model and simulate the behavior of vehicle control systems, such as engine management systems and transmission control systems. In the consumer electronics industry, Simulink is used to model and simulate the behavior of consumer electronics products, such as televisions and DVD players. In the medical device industry, Simulink is used to model and simulate medical device systems, such as medical imaging systems and medical robotic systems. In the telecommunications industry, Simulink is used to model and simulate the behavior of telecommunications networks, such as cellular networks and the internet.



Simulink is a powerful tool for designing and simulating dynamic systems. It is a graphical programming language that allows users to quickly and easily create a model of a system and simulate its behavior in a virtual environment. It is used in many industries, including aerospace, automotive, consumer electronics, medical devices, and telecommunications. It is an invaluable tool for designing and analyzing complex systems.

MathWorks claims that, coupled with another of their products, Simulink can automatically generate C source code for real-time implementation of systems. As the efficiency and flexibility of the code improves, this is becoming more widely adopted for production systems, in addition to being a tool for embedded system design work because of its flexibility and capacity for quick iteration. Embedded Coder creates code efficient enough for use in embedded systems.

## ORCAD SOFTWARE:



OrCAD is a powerful and versatile software system designed for circuit design, analysis, and simulation. OrCAD was developed by Cadence Design Systems and is widely used in the

electronics industry. It is a suite of tools used for designing and analyzing electronic circuits, and can be used for both analog and digital circuit design.

OrCAD consists of three main components: Capture, Layout, and Simulation. The Capture component is used to create and edit schematics and symbolic representations of circuits. It includes a library of standard components and allows the user to easily access and modify them.

The Layout component is used to create the physical layout of the circuit. It includes tools for creating and manipulating components, placing them on the board, and routing the connections between them. The layout also includes a library of standard components and allows the user to easily access and modify them.

The Simulation component provides a way to test the behavior of the circuit and analyze its performance. It includes tools for setting up and running simulations, analyzing the results, and debugging the circuit. The simulation also includes a library of standard components and allows the user to easily access and modify them.

OrCAD is a comprehensive tool for designing, simulating, and analyzing electronic circuits. It provides powerful tools for creating and editing schematics, layouts, and simulations, as well as for analyzing the performance of the circuit. It also includes a library of standard components, making it easy to find and use the components you need for your project.

OrCAD is an industry-standard software system for circuit design, simulation, and analysis. It is used by engineers, technicians, and hobbyists alike to design and simulate a wide variety of electronic circuits. Since its introduction in 1999, OrCAD has become the most widely used circuit design software in the world. It is reliable, powerful, and easy to use, making it the ideal choice for today's engineers.

#### PROGRAMMING LANGUAGES THAT ARE TAUGHT BY THE END OF 4<sup>TH</sup> YEAR:

- ☞ OrCAD
- ☞ Python
- ☞ MATLAB
- ☞ C and C++
- ☞ Java



## PYTHON PROGRAMMING:

```
1  def entry():
2      count=1
3      while count==1:
4          file=open("credentials.txt", "r")
5          user_name=input("Enter your Username : ")
6          password_getin=input("Enter your Password : ")
7          word=user_name+","+password_getin
8          a=0
9          l=file.readlines()
10         for i in l:
11             l2=i
12             if word in l2:
13                 print("Welcome Back ")
14                 a=1
15                 count+=1
16         if a!=1:
17             print(" Invalid Username or Password ")
18             count==1
19
20 def book():
21     regular_s = 12
22     takal_s =3
23     destination={"Hosur":75,"Vaniyambadi":250,"Vellore":500,"Walaja":600,"Chennai":750}
24     print("A.Regular(",regular_s," Seats Available)")
25     print("B.Takal(",takal_s," Seats Available)")
26     cho=input("Enter your Prefered booking system : ")
27     if cho=="A":
28         if regular_s <=0:
29             print("Sorry you came late! Beter luck mext time .")
30         else:
31             regular_s=regular_s-1
32             pr="Regular seat"
33     if cho=="B":
34         if takal_s <=0:
35             print("Sorry you came late! Beter luck mext time .")
36         else:
37             takal_s=takal_s-1
```

Python is a high-level, general-purpose programming language that has been around for over 30 years. It is used in a variety of applications, ranging from web development to data science and artificial intelligence.

Python is object-oriented, meaning it uses objects, or data structures, to store and manipulate data. It also makes use of multiple programming paradigms, such as procedural and functional programming. This makes Python a very versatile language, allowing it to be used for a variety of tasks.

Python is also one of the most popular programming languages, with many developers using it to create applications and websites. This is due to its ease of use and readability. Python code is easy to read and understand, and is often considered to be one of the most beginner-friendly programming languages.

Python is also highly extensible, meaning that it can be used to create powerful applications that are flexible and easy to maintain. It supports several libraries that provide additional functionality to the language, such as the popular Django web framework.

Python is also highly efficient when it comes to performance. It is able to process data quickly and accurately, making it ideal for data-heavy applications. It also has a wide range of libraries that can be used to quickly develop applications.

Finally, Python is an open-source language, meaning that anyone can access the source code and make modifications to it. This makes it easy to develop custom applications and tools, as well as to collaborate with other developers.

In conclusion, Python is a powerful, versatile, and easy-to-use programming language that has been around for over 30 years. It is highly extensible, efficient, and open source, making it an ideal choice for developers who need a reliable and powerful language for creating applications and websites.

Python is a multi-worldview programming language. Object-arranged programming and organized writing computer programs are completely upheld, and a large number of its elements support utilitarian programming and viewpoint programming (counting metaprogramming and metaobjects).

# THANK YOU