

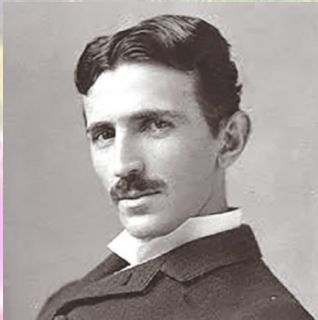
BGIET

Department of CSE

Newsletter

VISION

To be a center of excellence in technical education, research and support services to produce comprehensively trained, innovative Computer Science Engineers of highest quality to contribute to the Nation's development.



The present is theirs, the future for
Which I really worked is mine.–

Nikola Tesla



Climbing to the top demand strength, whether it is top of
Mount Everest or to the top of careers —APJ Abdul Kalam

Mission

M1. Create an environment of skill learning through faculty training, online learning, sound academic practices and research endeavors

M2. Provide opportunities to promote organizational and leadership skills in students through various extra-curricular and co-curricular events.

M3. To uplifts innovative research in Computer Science and Engineering to serve the needs of industry, Government and society.

M4. Providing social awareness and responsibility in students to serve the Nation and to protect environment.

DEPARTMENT OF CSE

News Letter

Inside this Newsletter

1. HOD's Message
2. Blood Donation Camp
3. Workshop on "Data processing and compressing techniques".
4. Seminar on "Orchestration and Routing".
5. Sports Meet.
6. Discussion on "Internet of Things".
7. Machine learning.
8. Placement Drive

Editorial team

Faculty Editor:

Er. Yadwinder Singh
Assistant Professor, CSE

Student Editor:

Narinder Gautam
Roll no: 1801529 (7thsem, CSE)
Anmol Noor
Roll no: 1801497 (7thsem, CSE)

DEPARTMENT OF CSE

News Letter

FROM THE HOD's DESK



I would like to congratulate the CSE Department for their newsletter. This newsletter not only makes you aware about the events and various activities in our department but also connects each and every person. I appreciate everyone for their tremendous efforts.

Dr. Arun Kumar Singh
(H.O.D)

Jan-June 2022

Vol. 1– Issue1

DEPARTMENT OF CSE

News Letter

FROM THE EDITOR'S DESK



The bond between a mentor and a disciple is really worked hard for this newsletter and I would like to appreciate everyone for their mind blowing efforts. I would like to request the readers to have a joy of reading this newsletter and request you to send me any queries or suggestions regarding this to my email: yadvinderss@gmail.com

Jan-June 2022

Vol. 1– Issue1

DEPARTMENT OF CSE

News Letter

FROM THE Student EDITOR'S

We would like to congratulate our department for a great time. Firstly, we would like to thank all the people who have helped us through the making of this newsletter. This has been a great and wonderful experience. This semester has been full of successful events and many others amazing things. Please get a glimpse of our newsletter and see what we have done so far.

Thank you.

Narinder Gautam

Roll no: 1801529 (7thsem, CSE)

Anmol Noor

Roll no: 1801497 (7thsem, CSE)

DEPARTMENT OF CSE

News Letter

Blood Donation



A blood donation camp was organized in the month of March by the CSE department to motivate students to donate blood and social works. The purpose of blood donation camp was to select a suitable donor whose blood will be safe to the recipient and who himself shall not in any way be harmed by blood donation.

Blood donation is our duty to spread awareness & humanity in the world donating some amount of blood can save a person's life hence worthy blood donation is act of life giving & lifesaving act.

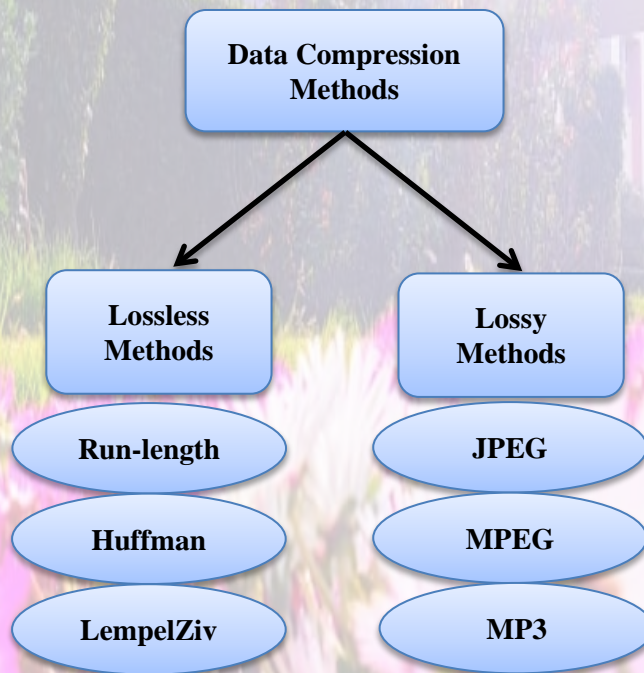
Success is not final, failure is not fatal; it is the final courage that counts.

DEPARTMENT OF CSE

News Letter

Workshop on “Data Processing and Compressing Techniques”

Compression is the reduction of a file size from large size to a smaller file size. A compression will be done to facilitate the transmission of a file with a large size and contains many characters. The workings of a compression are by looking for patterns of repetition in the data and replace it with a certain sign. The type of compression has two methods, lossless compression and lossy compression. Lossless compression is the process of converting the original data with compressed data becomes more concise without reducing the loss of information. Lossy compression is the prose converts the original data into the compression data there are different values, but the value of this difference is considered does not reduce the essential information from the original data.



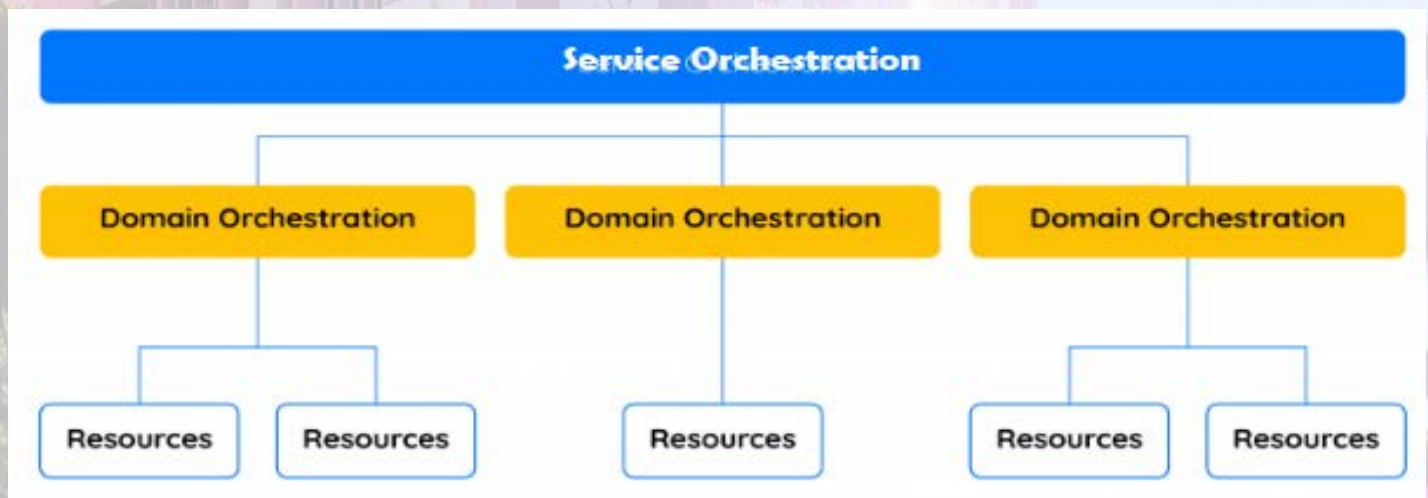
DEPARTMENT OF CSE

News Letter

Seminar on “Service Orchestration and Routing”

By- Dr. DS Sidhu, Technical Head, I3Indya

Service orchestration is the process involved in designing, creating, and delivering end-to-end services.



The Power of Service Orchestration

Service orchestration finds its strength in abstraction. Each layer in this stack is designed to abstract the intricacies of the layer beneath it while exposing an interface to the layer above. There are several advantages to this multi-layered approach to abstraction, which we will detail further below.

Service orchestration offers the opportunity for more intentional system design. It not only forces developers to get things working, it also forces them to design infrastructures optimized for business objectives and growth projection in three key ways.

We also find within service orchestration, an opportunity for a more intentional system design. Not only does this approach force developers to get operations working, it also pressures them to thoughtfully design infrastructures which are optimized not simply for outcome, but for business objectives and scaling/growth. This happens in three key ways:

- The service layer serves as a mediator between domains and resources below, and higher-level business demands above.
- Businesses are able to break down large challenges into more manageable pieces that can be automated and reused across domains, due to a hierarchical structure. This creates flexibility of operations throughout the stack. The service layer enables ease of movement and domain and resource reuse, without needing to change underlying services. Where operations were previously silted, domain-specific, and designed for static environments, under the orchestration layer these can be transformed into flexible and reusable components capable of serving the entire system. This allows for rapid and accurate deployment of new technologies, at a lower cost.
- The hierarchical nature of the service orchestration model also supports multi-vendor infrastructure, through service composition. This structure is capable of orchestrating a variety of service models and treats them as “atomic” building blocks, while simplifying the use of non-cloud native technologies.

DEPARTMENT OF CSE

News Letter

Sports Meet

Sports give an opportunity to develop physical skills and to remain healthy and active, which is most important for our mind, body and spirit. Team sports are good for learning accountability, dedication, and leadership, among many other traits. Through sports encouragements we can engage children for developing mental and physical strength, discipline and practice required to excel, help them gain confidence which leads towards a self-control, self-esteem & honest generation.

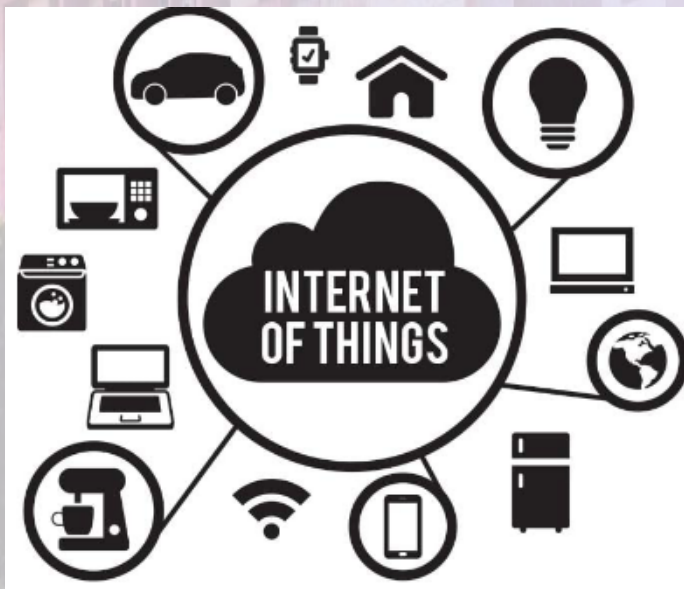


For fulfilling this mission BGIET has taken an initiative to engage students of different ages in different sports activities through a consolidated sporting event called SEMESTER WISE SPORTS MEET under the guidance of esteemed Chairman Dr. Guninderjit Singh Jawandha and Campus Director Dr. Tanuja Shrivastva. They have motivated the students to perform well in the field of games and sports. It was proved as the best way to burst stress and perform recreational activities.

Anmol Noor
Roll no: 1801497 (7thsem)

DEPARTMENT OF CSE

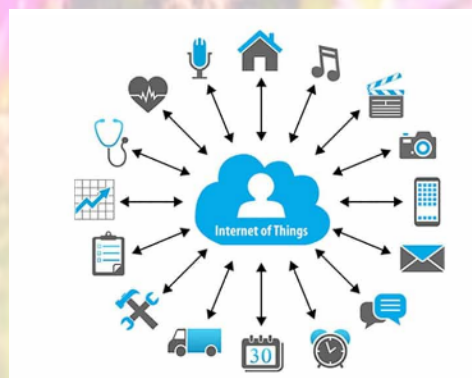
News Letter

Discussion on “Internet of Things”

The Internet of things describes physical objects with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks. The Internet of things has been considered a misnomer because devices do not need to be connected to the public Internet, they only need to be connected to a network and be individually addressable. The field has evolved due to the convergence of multiple technologies, including ubiquitous computing, commodity sensors, increasingly powerful embedded systems, and machine learning.



An IoT ecosystem consists of web-enabled smart devices that use embedded systems, such as processors, sensors and communication hardware, to collect, send and act on data they acquire from their environments. IoT devices share the sensor data they collect by connecting to an IoT gateway or other edge device where data is either sent to the cloud to be analyzed or analyzed locally. Sometimes, these devices communicate with other related devices and act on the information they get from one another. The devices do most of the work without human intervention, although people can interact with the devices -- for instance, to set them up, give them instructions or access the data.



Narinder Gautam
Roll no: 1801529 (7thsem, CSE)

DEPARTMENT OF CSE

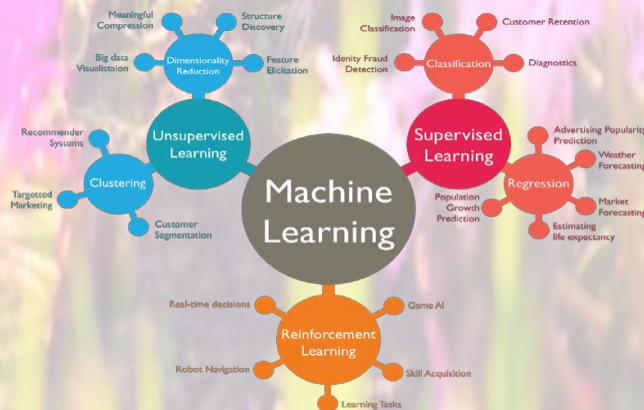
News Letter

Machine Learning



Machine learning (ML) is a type of artificial intelligence (AI) that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. Machine learning algorithms use historical data as input to predict new output values

Machine learning is important because it gives enterprises a view of trends in customer behavior and business operational patterns, as well as supports the development of new products. Many of today's leading companies, such as Facebook, Google and Uber, make machine learning a central part of their operations. Machine learning has become a significant competitive differentiator for many companies.



Anmol Noor
Roll no: 1801497 (7th sem)

The greatest glory in living lies not in ever falling, but in rising every time we fall.

DEPARTMENT OF CSE

News Letter

Placement Drive



Sangrur, BGIET(CSE) once again came in Limelight for its iconic ceremonies , following its tradition once again BGIET students celebrated their joy with sweet delicacies on this Big Day for being placed in IT company. Celebration started with cake cutting ceremony which encouraged this habit of enjoying sweets marked this college with excellent placements for session 2022. The students were delighted to relish their campus memories and thanked the institute for providing them with great placement opportunities The management and Director blessed the students and congratulated all of them on their achievement . The management said that the intent of the institution is to provide best placement opportunities to each and every student and are happy that the institute is able to provide these opportunities and meet this objectives. Several students were placed in ITExpertUS. Cake cutting ceremony and great celebration at BGIET will be marked as physical symbol of good luck and prosperity , youngsters are going that extra mile to ensure that this indeed is a special moment in their lives. Emerging engineers awaited for their placements to get enjoy as such.



BGGI In Pursuit of Excellence

WELCOMES



ITExpertUS
YOUR PROVEN IT PARTNER

Eligibility- B. Tech. CSE / IT, ECE, MBA, MCA, BCA, BBA

20th MAY 2022

Campus Placement Drive For Final Year Students

BHAI GURDAS GROUP OF INSTITUTIONS, SANGRUR

Narinder Gautam
Roll no: 1801529
(7thsem, CSE)

