



Vidya Vikas Education Trust's

Universal College of Engineering

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Gujarati Linguistic Minority Institution

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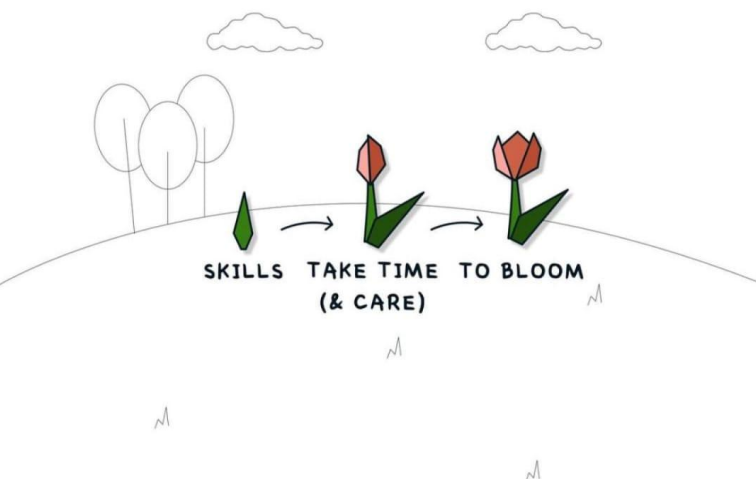


An Initiative By



Department of Information Technology

#Satyavachan



Staff Coordinators:

- Ms. Shraddha Sandimani
- Mrs. Mudra Doshi

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3 best practices while implementing DevSecOps in your organization

Incorporating DevSecOps enables you to build software applications in a secured manner. This term stands for implementing a holistic approach to data security right from the beginning to the very end of your software development life cycle. While you implement DevSecOps, certain 'best practices must be adopted to optimize the process.

1) Implementing threat modeling

Threat modeling involves identifying all the potential vulnerabilities in your IT architecture before (and during) the DevSecOps process. This is a theoretical approach that involves treating network vulnerabilities as distinctive threats similar to malware and phishing. This approach lets you take all the necessary precautions while your developers create code and build your applications. Threat modeling slows down your CI/CD pipeline, but that is a minor trade-off for the security it provides for your DevSecOps implementation.

2) Pursuing scalable governance

Using the governance-as-code mechanism while developing software applications lets you automate and scale data security during DevSecOps. Automating data security lets you implement multiple security checks at every stage across the software delivery pipeline.

3) Training developers to carry out secure coding

Developers need to be trained to know and avoid instances in which they create code in an insecure way. This will make your software development process more data security-oriented right from the get-go. Additionally, it will enable your development, security, and operation teams to break out of data silos and make the software development process even more collective in nature.



Source:

<https://gajshield.com/index.php/resources/gajshield-blogs/324-3-best-practices-while-implementing-devsecops-in-your-organisation>

- MR. AKSHAY AGRAWAL
(Assistant Professor)

Importance of Blockchain

Blockchain is now very popular among the general audience. Its popularity started with the rise of bitcoin prices. However, right now, its popularity, according to Google, is now settling down. A blockchain is a ledger-based peer-to-peer network where each peer has a ledger copy. These features make blockchain irresistible in diverse scenarios and mark itself as the best possible solution.

Immutability

Blockchain is immutable. This opens a lot of opportunities for platforms that need immutable traits to make their system more functional in a highly competitive market. As blockchain is immutable, it is not possible to alter the package information in any way. Any alteration will alarm the system.

Transparency

Another crucial aspect that makes blockchain so important is transparency. There are different types of blockchain. Public blockchain provides transparency due to its nature. It is very useful for different functions of our society, including doing elections. Companies can also utilize it to ensure that the end-user can interact with the processes with full or partial transparency.

Truly Decentralized Services

Decentralized services are the backbone of our futuristic society. Be it asset management or energy management; there will be decentralized services for every sector out there. This will give people unprecedented access to the options that are currently not available in the market. Almost every sector will have decentralized services.

Excellent Use-Cases

Blockchain is not confined to just one particular use-case. This makes blockchain excellent technology for the future of our society. It can be used in almost every sector, including trade finance, bank, government, education, healthcare, oil, and so on. These use-cases also have a huge impact.

Better Security

Blockchain uses cryptography to add a layer of security to the data stored on the network. The decentralization feature, on top of the cryptography, makes blockchain provide better security than other systems. Cryptography utilized complex mathematical algorithms that are used to secure the data and systems on the blockchain network.

Source: <https://101blockchains.com/why-blockchain-is-important/>

- Ms. SHRADDHA SANDIMANI
(Assistant Professor)

NON TECHNICAL ARTICLES

5th October – Vijayadashami

The term Dussehra is more common in North Indian states and Karnataka while the term Vijayadashami is more popular in West Bengal.

Dussehra denotes victory of good over evil and there are two stories that are associated with the festival in Hindu mythology. It is said that it was on this day that Durga defeated Mahishasura after a fierce battle lasting for more than nine days. As per another mythology, Dussehra is celebrated to mark the victory of Rama over ten-headed demon king of Lanka, Ravana.

Navratri — the nine days of celebration of each form of Goddess Durga — culminates with Dussehra, the tenth day. It is also called as Vijayadashami, the day of victory. While some associate it with the epic battle of Ramayana, others do so to commemorate Goddess Durga's victory over the demon Mahishasura.

Dussehra, also known as Vijaydashami or Dasain in certain parts of our country, makes way for Diwali celebrations. One of the most important and widely celebrated festivals, the festival of lights or Diwali marks Rama's homecoming after his victory against Ravana and is celebrated twenty days after Dussehra but the main ethos of Dussehra festival is that of good triumphing over evil and it is on this day that people pray for prosperity and good health.

Source

<https://www.hindustantimes.com/lifestyle/festivals/dussehra-2022-date-history-puja-muhurat-significance-and-celebration-of-vijayadashami-101664800259069.html>



- MRS. MUDRA DOSHI
(Assistant Professor)

NON TECHNICAL ARTICLES

22nd – 26th OCTOBER 2022 – DIWALI

The festival of Diwali is believed to be the ultimate victory of good over evil. The lighting of Diya's and lamps is seen as the eradication of darkness, as we move towards a bright and hopeful future. It is an auspicious occasion that people love to celebrate with their family and friends.

In ancient India, Diwali was mainly celebrated by farmers as a harvest festival. Since, they would harvest their crops between October and November. the farmers faced a huge threat from insects who destroyed the crops by eating them. So, the farmers started lighting diyas in order to attract the insects and kill them. This proved to be quite successful as their crops remained safe and they were now able to enjoy the benefits of a good harvest.

Apart from this, the festival of Diwali also holds great importance in Hindu tradition. On this day, Lord Rama returned to Ayodhya with Maa Sita and his brother Laxmana after spending 14 years in exile and defeating the evil King Ravana. It is said that the people of Ayodhya organized a grand ceremony on the occasion of their triumphant return. The whole kingdom was lit up with bright lamps, diyas and fireworks. Lord Rama was welcomed in grand fashion and this is how the festival of Diwali came into existence.

The first day of Diwali, popularly known as Dhanteras, marks the beginning of Diwali. On this day, people clean their houses as well as their workplace. Diyas are placed outside the house, doorways are decorated and beautiful rangolis are made. Since, it is considered to be an auspicious day, people also buy new items like clothes, jewellery and furniture. The second day of Diwali, also known as Choti Diwali, is Naraka Chaturdashi. The celebrations on this day indicate a sense of freedom from all kinds of suffering. A wide variety of sweets are prepared and distributed among relatives and friends.

The third day of the festival is known to be the main day of Diwali. Also known as Lakshmi Pujan, devotees welcome Goddess Lakshmi into their homes. They worship her and ask for her blessings. This is a day of celebration and joy as people burst crackers and meet up with their relatives and close friends. The fourth day of Diwali is the Govardhan Puja. It is a celebration of that time when Lord Krishna lifted the Govardhan Mountain on his little finger, to save the cowherd and all the farmers from dangerous floods.

The fifth and final day of Diwali, also known as Bhai Dooj, celebrates the beautiful bond shared by brothers and sisters. This is again a day of celebration and excitement, as brothers meet their sisters and offer them several gifts.

Source:

<https://www.seniority.in/blog/diwali-celebration-in-india-history-meaning-and-significance/>



**- MRS. SANKETI RAUT
(Assistant Professor)**

ACHIEVEMENTS *Congratulations*

SR.NO	Name of the student	Branch	Course Name
1	Pednekar_Vedant_Mahesh	TE	HTML and CSS
2	Sirvi suresh bhanaram	TE	Javascript
3	Limbari Roshan Ashok	TE	React
4	YADAV HARSHIKESH RAJENDRA	TE	JAVASCRIPT TUTORIAL BY W3 SCHOOL
5	Jani Kavisha Jayesh	TE	JAVASCRIPT TUTORIAL
6	Kanse Mann Tanaji	TE	SE
7	Chovatiya Ayush Arvind Bhai	BE	Data Science Foundation
8	Chaube tushar kiran	TE	1.Introduction to devops capabilities
9	Gawde_Gautami_Dinesh	TE	Devops IBM
10	Musa_mohammed_mehdi	TE	Cloud badge
11	Vadher Rivaa Denish	TE	IT
12	VADHER RISHITH DENISH	TE	IT
13	Matwawala_Abdul Rahman_Usmangani.	TE	1. DevOps For IBM zSystems CI/CD Enablement Build specialist.
14	Singh SumitKumar VinayKumar	TE	Javascript, Node Js
15	Jadhav_Anushri_Sharad	BE	Kubernetes
16	Momin Maliha Faryal Zameer Ahmad	BE	IT
17	Pandey_Akash_Sharda_Prasad	BE	BE Information technology
18	Jha Pankaj Ajay	SE	PCPF
19	Meher_Jidnesh_Sachin	SE	IT
20	Toraskar Karan Sanjay	SE	HTML
21	Meher_Jidnesh_Sachin	SE	HTML
22	ROHAN GANGARAM PADRAT	SE	Html
23	Dsouza Andrina Christopher	SE	HTML Course
24	Rathod Gaural Kiran	SE	HTML
25	Kadam Shalaka Prakash	SE	HTML
26	Shaikh Rashid Mohammed Saju	SE	HTML & CSS
27	Dsouza Andrina Christopher	SE	CSS Course
28	Dabholkar_Pushkar_Zilu	SE	HTML and CSS
29	Sawant amey pandurang	SE	Html
30	Vekaria Rishi Dilip	SE	HTML

EVENTS ORGANIZED



Tahuko – 1st October 2022



***Dussehra pooja on 4th October 2022
– IT Department***

EVENTS ORGANIZED



10th October – The Happy Hour (seminar on mental health) by NSS & ROTRACT

Number of participants - Volunteers: 41 PO: 2

Event/STTP Speaker - Suman Maheshwari (Founder of Just Be Mental Well Being Centre)

Learning Outcome:

- 1. Learned that how mental health is really important and it should not be ignored.***
- 2. Also, how we can handle stress, be calm and make right choices in such situation.***



Hands On Session on Cyber Security by CSI-UCOE on 10TH October 2022



Speaker: Het Vikam & Shivang Trivedi

Learning Outcomes:

Exploit vulnerabilities

CVE based attacks

Usage of meta sploit and other software

Finding internal services, subdomains, IP filter bypass

How to efficiently use security search engine

EVENTS ORGANIZED

Organized by Ncrypted Cyber Security Club



Speaker : Mr. Bipin Yadav

No. of Participants : 50

***Workshop Date: Wednesday October 12th, 2022, 11.30
a.m. – 01:00 p.m. (IST)***

***Learning Outcome: Understand Concepts of Ethical
Hacking such as Scanning and FootPrinting. Social
Media Attack scenarios that can exploit human errors.***

UPCOMING EVENTS

8th November 2022 – Guru Nanak Jayanti

Guru Nanak Jayanti is one of the most prominent Sikh festivals which is observed as the birthday of the first of their gurus, Guru Nanak. The founder of Sikhism, Guru Nanak played an important role in shaping and strengthening the Sikh community.

According to the Sikh literature, the birth anniversary of Guru Nanak is celebrated on the Full Moon day of the Indian lunar month, Kartik. Synonymous with GURPURAB or Guru Nanak's Prakash Utsav, this day is celebrated with utmost enthusiasm among the Sikhs throughout the nation.

People from the Sikh community decorate their homes and organize grand get-together. Multiple celebrations and feasts take place at the Golden Temple, and thousands of Sikh and Hindu families visit Amritsar every year on this day for offering prayers at the holy shrine.

Source: <https://www.fabhotels.com/blog/indian-holiday-calendar/guru-nanak-jayanti/>

Mrs. Rovina D'britto
(Assistant Professor)



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